Pioneer

Service Manual

XDJ-RX

ORDER NO.
RRV4592

DJ SYSTEM

XDJ-RX

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Type	Power Requirement	Remarks
XDJ-RX	LSYXJ8	AC 110 V to 240 V	
XDJ-RX	UXJCB	AC 110 V to 240 V	
XDJ-RX	AXJ5	AC 110 V to 240 V	

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ⓒPIONEER CORPORATION 2015

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SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.
Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

This product may contain a chemical known to the State of California to cause cancer, or birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 - Proposition 65

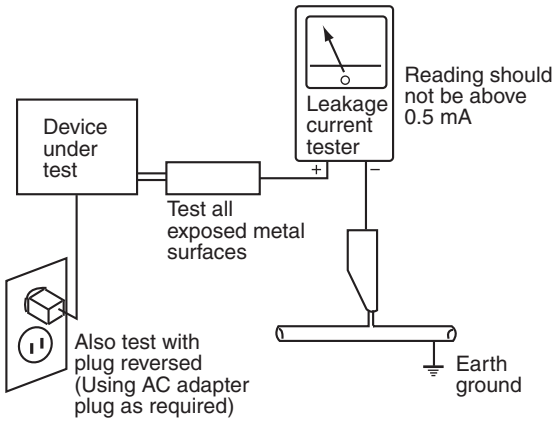
(FOR USA MODEL ONLY)

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120 V AC 60 Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5 mA.


Device under test
Leakage current tester
Reading should not be above 0.5 mA
+
–
Test all exposed metal surfaces
Also test with plug reversed (Using AC adapter plug as required)
Earth ground

AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a ⚠ on the schematics and on the parts list in this Service Manual.
The use of a substitute replacement component which does not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

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1. SERVICE PRECAUTIONS

1.1 NOTES ON SOLDERING

- For environmental protection, lead-free solder is used on the printed circuit boards mounted in this unit.
  Be sure to use lead-free solder and a soldering iron that can meet specifications for use with lead-free solders for repairs accompanied by reworking of soldering.

- Compared with conventional eutectic solders, lead-free solders have higher melting points, by approximately 40 ºC.
  Therefore, for lead-free soldering, the tip temperature of a soldering iron must be set to around 373 ºC in general, although the temperature depends on the heat capacity of the PC board on which reworking is required and the weight of the tip of the soldering iron.

Do NOT use a soldering iron whose tip temperature cannot be controlled.

Compared with eutectic solders, lead-free solders have higher bond strengths but slower wetting times and higher melting temperatures (hard to melt/easy to harden).

The following lead-free solders are available as service parts:
- Parts numbers of lead-free solder:
  GYP1006 1.0 in dia.
  GYP1007 0.6 in dia.
  GYP1008 0.3 in dia.

1.2 NOTES ON REPLACING

The part listed below is difficult to replace as a discrete component part.
When the part listed in the table is defective, replace whole Assy.

Assy Name	Parts that is Difficult to Replace			
	Ref No.	Part No.	Function	Remarks
MAIN Assy	IC102, IC105	BD9328EFJ	DC-DC CONVERTER (for system power)	IC with heat-pad
	IC401, IC402	BD9851EFV	DC-DC CONVERTER (for audio power)	IC with heat-pad
	IC602	MMPF0100F0AEP	PO SUPPLY IC (Power management IC)	QFN IC with heat-pad
	IC1001	MCIMX6U6AVM08AC	U-PRO IC (Application processor)	BGA
	IC1201, IC1301	K4B1G1646G-BCK0	RAM IC (DDR3)	BGA
	IC1401	LAN8720A-CP	INTERFACE IC (LAN PHY)	QFN IC with heat-pad
	IC1801	USB2512B-AEZG-TR	INTERFACE IC (USB HUB)	QFN IC with heat-pad
USBP1 Assy/ USBP2 Assy	IC8101, IC8301	BD9328EFJ	DC-DC CONVERTER (for USB power supply)	IC with heat-pad
	IC8102, IC8302	TPS2557DRB	High-side SW IC (for USB current control)	IC with heat-pad
EXTB Assy	IC8601	R1290K103A	DC/DC CONV IC (for display power)	QFN IC with heat-pad
	IC8701	BD81A04EFV-M	DRIVER IC (for LCD back right)	IC with heat-pad

1.3 SERVICE NOTICE

About the Flash ROM (IC1501) in the MAIN Assy

Replacement of the Flash ROM (IC1501: DYW1864 (first release)) in the MAIN Assy is not possible during service, because writing of the MAC address on the production line is required.
Therefore, the Flash ROM (IC1501) is not supplied as a service part. If the Flash ROM is defective, replace the whole MAIN Assy.

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2. SPECIFICATIONS

Power requirements..... AC 110 V to 240 V, 50 Hz/60 Hz
Power consumption .....35 W
Power consumption (standby) .....0.4 W
Main unit weight.....8.0 kg (17.6 lb)
Max. external dimensions.....728.2 mm (W) × 104.2 mm (H) × 411.9 mm (D)
(28.7 in. (W) × 4.1 in. (H) × 16.2 in. (D))
Tolerable operating temperature..... +5 °C to +35 °C (+41 °F to +95 °F)
Tolerable operating humidity.....5 % to 85 % (no condensation)

Audio Section

Sampling rate .....44.1 kHz
A/D, D/A converter..... 24 bits
Frequency characteristic
USB, LINE/PHONO, MIC1, MIC2 ..... 20 Hz to 20 kHz
S/N ratio (rated output, A-WEIGHTED)
USB ..... 111 dB
LINE/PHONO ..... 97 dB
MIC..... 84 dB
Total harmonic distortion (20 Hz — 20 kHzBW)
USB .....0.002 %
LINE/PHONO .....0.004 %
Standard input level / Input impedance
LINE/PHONO .....–12 dBu/47 kΩ
MIC.....–52 dBu/8.5 kΩ
Standard output level / Load impedance / Output impedance
MASTER1..... +6 dBu/10 kΩ/390 Ω or less
MASTER2..... +2 dBu/10 kΩ/820 Ω or less
BOOTH..... +6 dBu/10 kΩ/390 Ω or less
PHONES ..... +8 dBu/32 Ω/10 Ω or less
Rated output level / Load impedance
MASTER1.....24 dBu/10 kΩ
MASTER2.....20 dBu/10 kΩ
Crosstalk
LINE/PHONO ..... 82 dB
Channel equalizer characteristic
HI ..... –26 dB to +6 dB (13 kHz)
MID..... –26 dB to +6 dB (1 kHz)
LOW ..... –26 dB to +6 dB (70 Hz)
Microphone equalizer characteristic
HI ..... –12 dB to +12 dB (10 kHz)
LOW ..... –12 dB to +12 dB (100 Hz)

Input / Output terminals

LINE/PHONO terminals
RCA pin jack..... 2 sets
MIC1 terminal
XLR connector/phone jack (Ø 6.3 mm) ..... 1 set
MIC2 terminal
Phone jack (Ø 6.3 mm)..... 1 set
MASTER1 terminals
XLR connector..... 1 set
MASTER2 terminals
RCA pin jacks ..... 1 set
BOOTH OUT terminals
Phone jack (Ø 6.3 mm)..... 1 set
PHONES terminals
Stereo phone jack (Ø 6.3 mm) ..... 1 set
Stereo mini phone jack (Ø 3.5 mm)..... 1 set
USB terminal
A type ..... 2 sets
B type ..... 1 set

- Be sure to use the [MASTER1] terminals only for a balanced output. Connection with an unbalanced input (such as RCA) using an XLR to RCA converter cable (or converter adapter), etc., may lower the sound quality and/or result in noise.
  For connection with an unbalanced input (such as RCA), use the [MASTER2] terminals.
- The specifications and design of this product are subject to change without notice.

Accessories

- Power cord
  (LSYXJ8: ADG1244)
  (UXJCB: DDG1108)
  (AXJ5: DDG1114)
- LAN cable
  (DDE1141)
- Warranty (LSYXJ8 only)
- Operating instructions (Qick start guide)
  (LSYXJ8: DRH1293, DRH1294)
  (UXJCB: DRH1292)
  (AXJ5: DRH1299)
- Software information
  (DRH1305)

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3. BASIC ITEMS FOR SERVICE
3.1 CHECK POINTS AFTER SERVICING

Items to be checked after servicing

To keep the product quality after servicing, confirm recommended check points shown below.

No.	Procedure	Check points
1	Confirm the firmware version.	The version of the firmware must be latest. Update firmware to the latest one, if it is not the latest.
2	Confirm whether the customer complain has been solved.	The customer complain must not be reappeared. Audio and operations must be normal.
3	Check the analog audio output.	There must be no errors in audio output and operations of each channel.
4	Check playback, using the fader function.	There must be no errors in audio output and operations of each channel.
5	Check the MASTER output.	Audio and operations must be normal.
6	Check the headphones output.	There must be no errors, such as noise, in the audio output.
7	Check the connection of each interface.	
	Playback data contained in the device connected to USB A.	Audio, Search and operations must be normal.
	USB B.	The PC must be linked.
	Playback the library data of the PC via LAN.	The rekordbox software must be linked.
8	Check the appearance of the product.	No scratches or dirt on its appearance after receiving it for service.

See the table below for the items to be checked regarding audio.

Item to be checked regarding audio	
Distortion	Volume too high
Noise	Volume fluctuating
Volume too low	Sound interrupted

3.2 JIGS LIST

■ Lubricants and Glues List

Name	Part No.	Remarks
Lubricating oil	GYA1001	Refer to "9.5 CONTROL PANEL SECTION (2/3)", "9.7 JOG DIAL SECTION".

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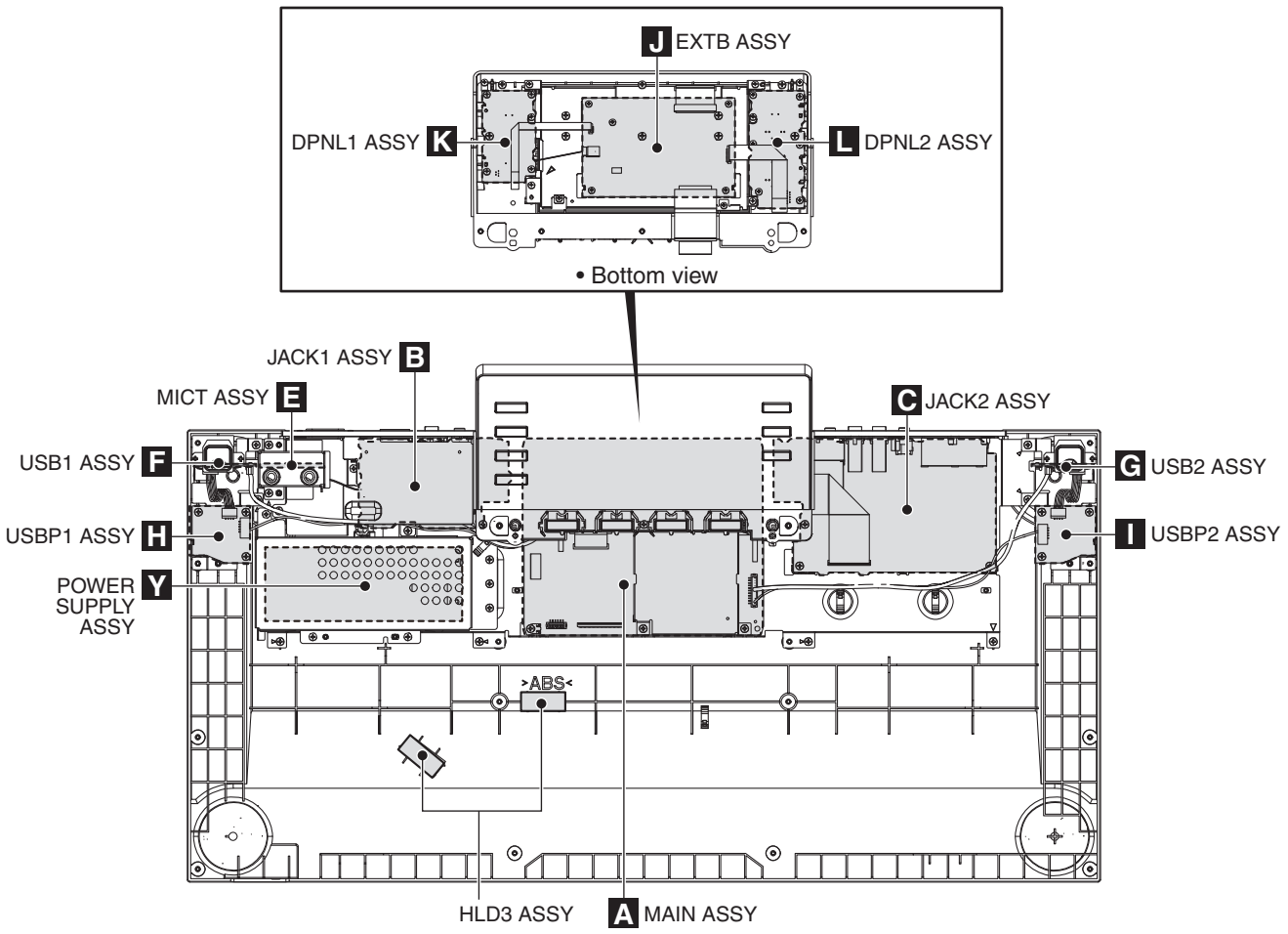
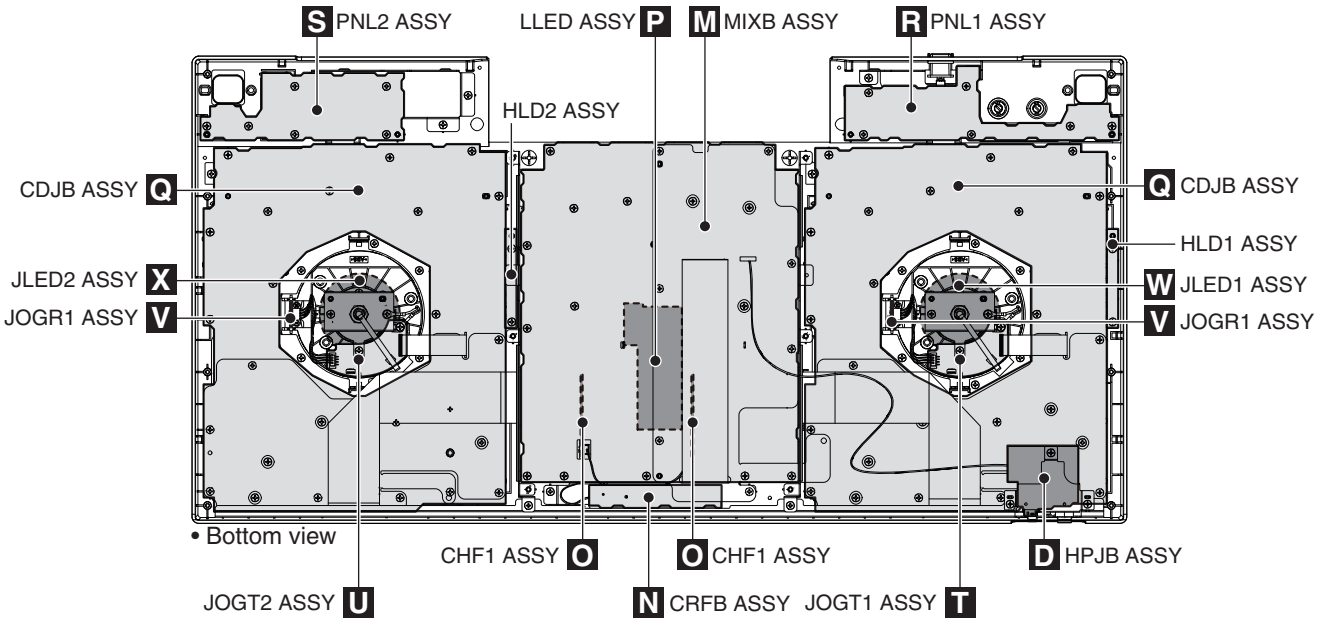
3.3 PCB LOCATIONS



注意：
JOGT、JLED ASSY の 1 と 2 は回路そのもの、使用部品、基板形状は同じです。
部品番号と配線番号が違うため印刷内容が異なります。
生産上は 1 と 2 の ASSY を管理していません。
このためそれぞれの場所には 1 と 2 どちらかの ASSY が配置されています。

Note:
The 1 and 2 Assys of JOGT and JLED Assys have the same circuitry, parts, and board shapes.
Only printed information is different, because their part numbers and wiring numbers are different.
They are handled similarly in their production management.
Therefore, either 1 or 2 Assy of the respective Assys is assembled in the respective place.



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NOTES: ● *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
● *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*

LIST OF ASSEMBLIES

Mark	No.	Description	Part No.
NSP	1	..EXTA ASSY	DWM2548
	2	..JLED1 ASSY	DWX3617
	2	..JOGT1 ASSY	DWX3618
	2	..USB1 ASSY	DWX3620
	2	..USB2 ASSY	DWX3621
	2	..EXTB ASSY	DWX3622
	2	..JLED2 ASSY	DWX3630
	2	..JOGT2 ASSY	DWX3631
	2	..USBP1 ASSY	DWX3636
	2	..USBP2 ASSY	DWX3637
	2	..LLED ASSY	DWX3638
	2	..HLD1 ASSY	DWX3645
	2	..HLD2 ASSY	DWX3646
NSP	1	..CDJA ASSY	DWM2549
	2	..CDJB ASSY	DWX3614
	2	..JOGR1 ASSY	DWX3619
	2	..CHF1 ASSY	DWX3624
	2	..HLD3 ASSY	DWX3647
NSP	1	..MIXA ASSY	DWM2550
	2	..MIXB ASSY	DWX3613
	2	..MICT ASSY	DWX3623
	2	..CRFB ASSY	DWX3626
NSP	1	..TRMA ASSY	DWM2551
	2	..JACK1 ASSY	DWX3615
	2	..JACK2 ASSY	DWX3616
	2	..PNL1 ASSY	DWX3628
	2	..PNL2 ASSY	DWX3629
	2	..HPJB ASSY	DWX3633
	2	..DPNL1 ASSY	DWX3634
	2	..DPNL2 ASSY	DWX3635
	1	..MAIN ASSY	DWX3590
⚠		POWER SUPPLY ASSY	DWR1463

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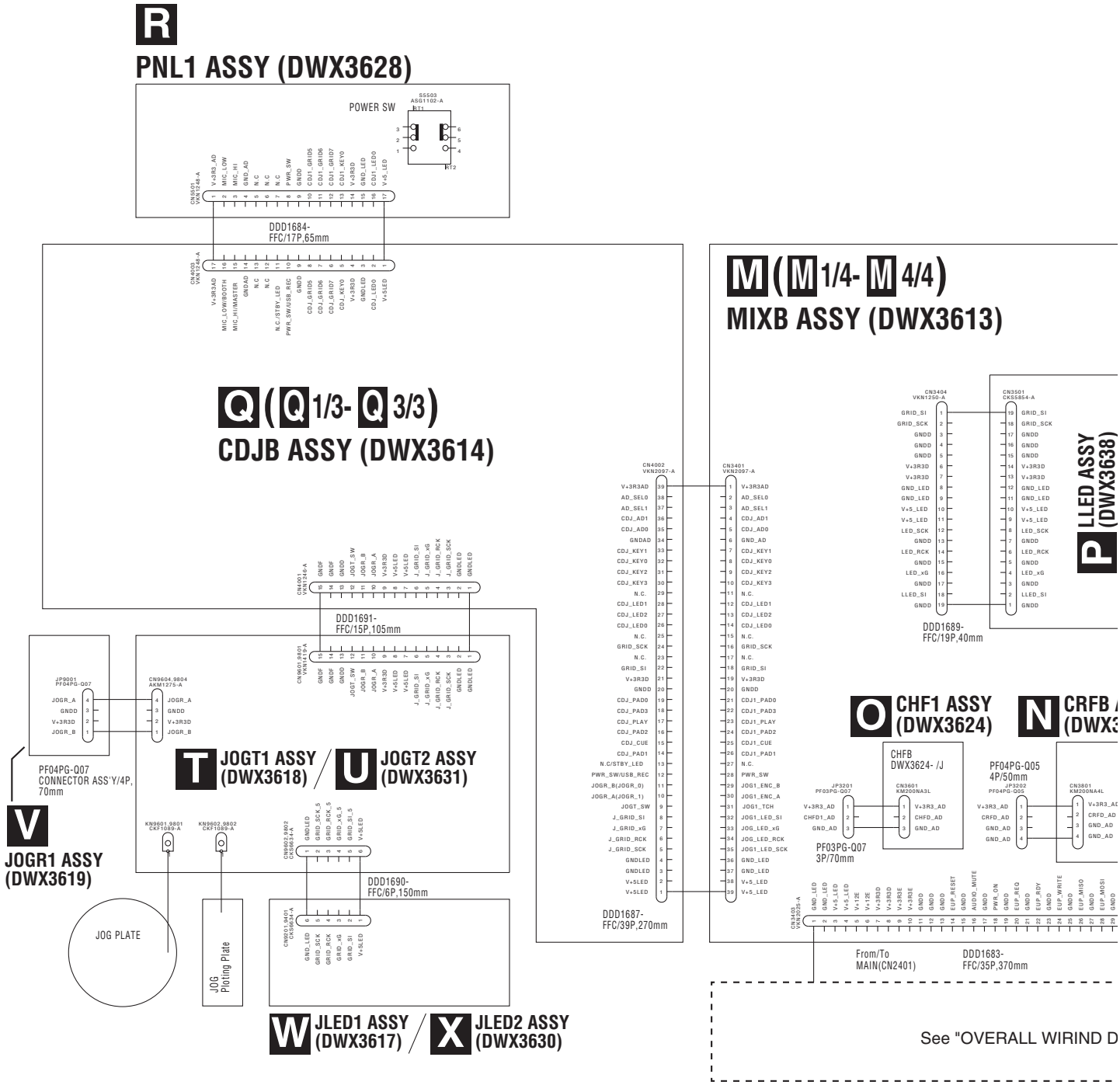
4. BLOCK DIAGRAM
4.1 OVERALL WIRING DIAGRAM (1/2)



注意：
JOGT、JLED ASSY の１と２は回路そのもの、使用部品、基板形状は同じです。
部品番号と配線番号が違うため印刷内容が異なります。
生産上は１と２の ASSY を管理していません。
このためそれぞれの場所には１と２どちらかの ASSY が配置されています。

Note:
The 1 and 2 Assys of JOGT and JLED Assys have the same circuitry, parts, and board shapes.
Only printed information is different, because their part numbers and wiring numbers are different.
They are handled similarly in their production management.
Therefore, either 1 or 2 Assy of the respective Assys is assembled in the respective place.

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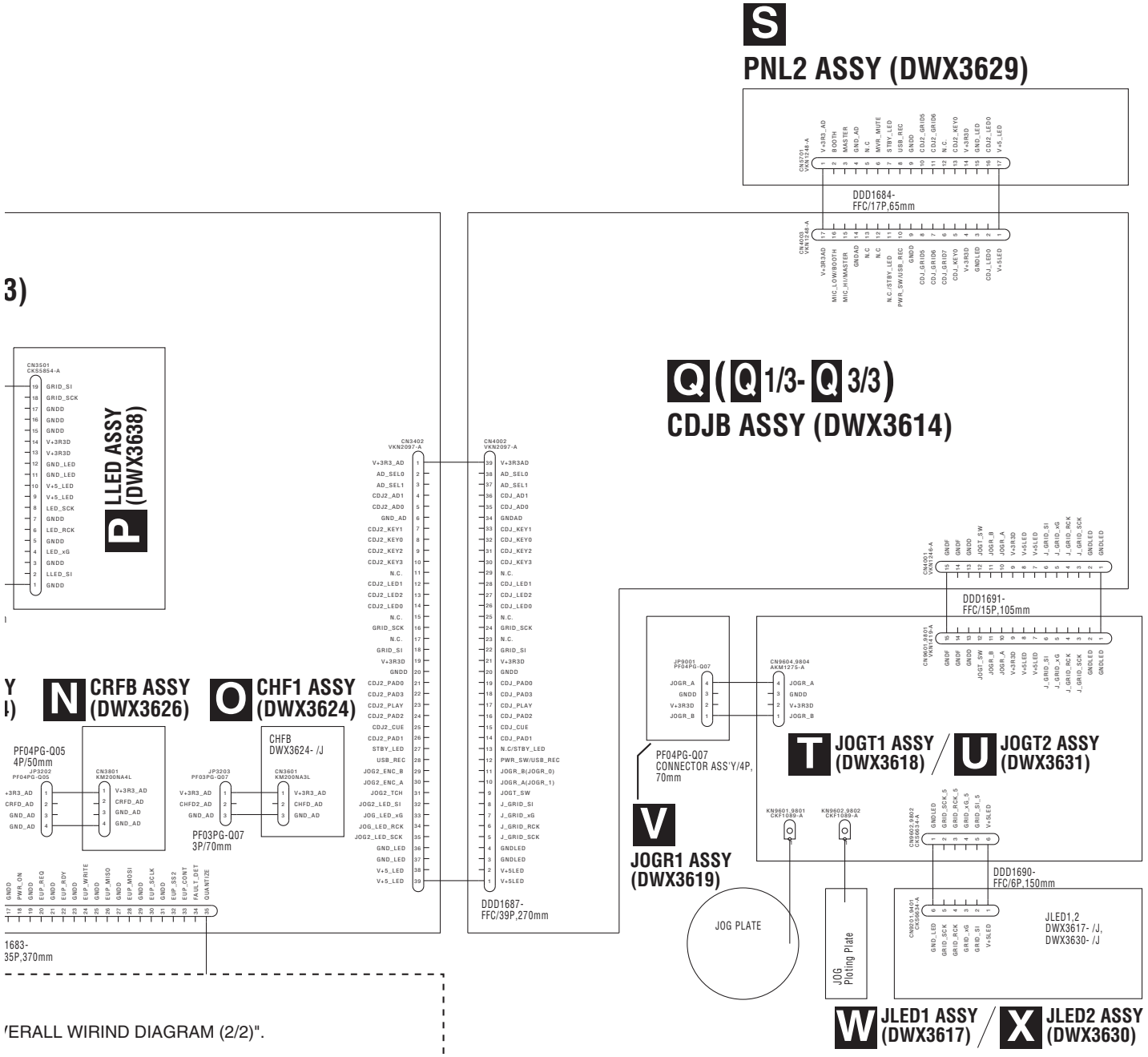
- 部品を発注する場合は、必ず「分解図と部品表」または「電気部品表」を参照してください。
- ⚠ 印の部品は、安全上重要な部品です。
  交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。
- 印は電源の供給源を示しています。

- When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".
- The ⚠ mark found on some component parts indicates the importance of the safety factor of the part.
  Therefore, when replacing, be sure to use parts of identical designation.
- : The power supply is shown with the marked box.



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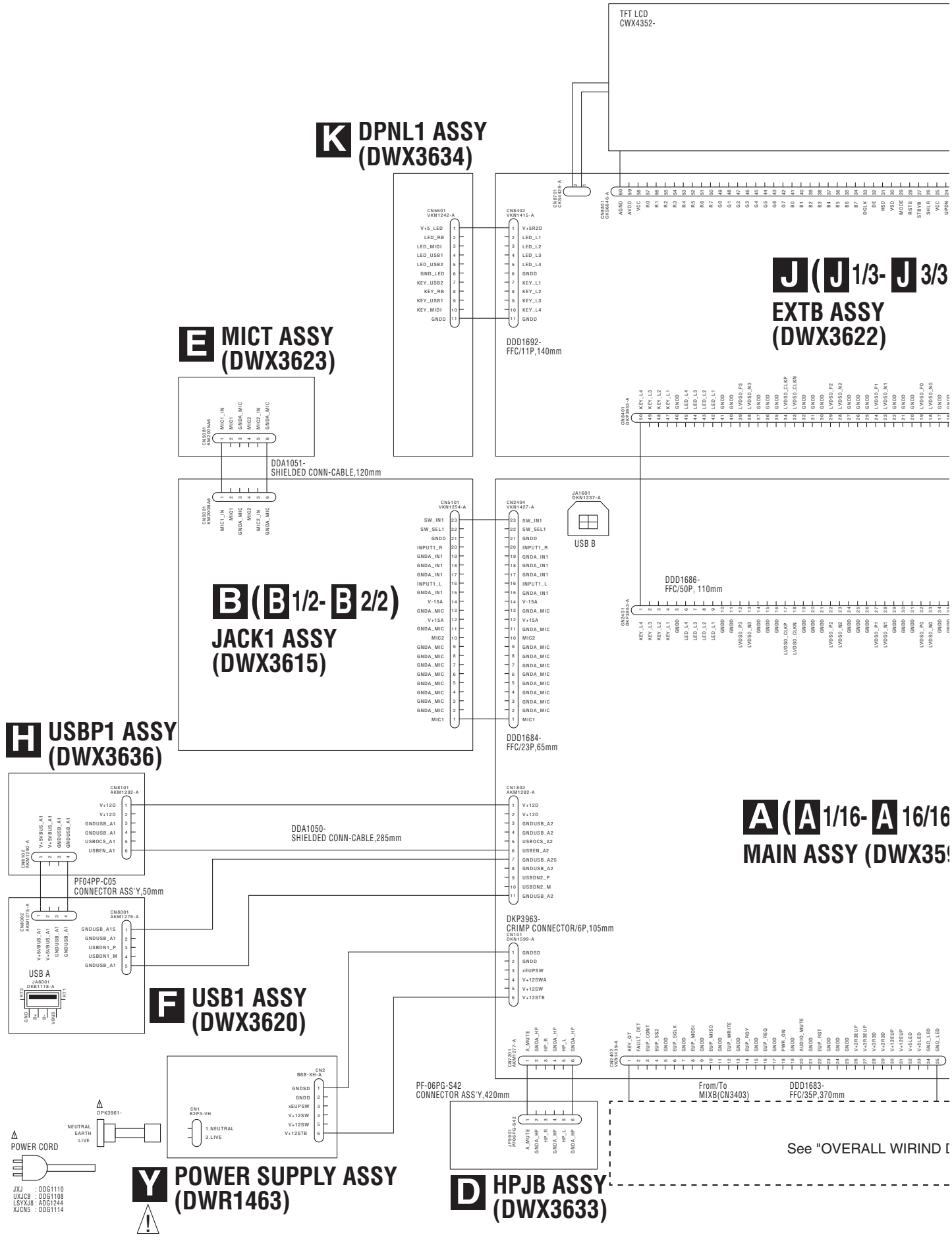
4.2 OVERALL WIRING DIAGRAM (2/2)



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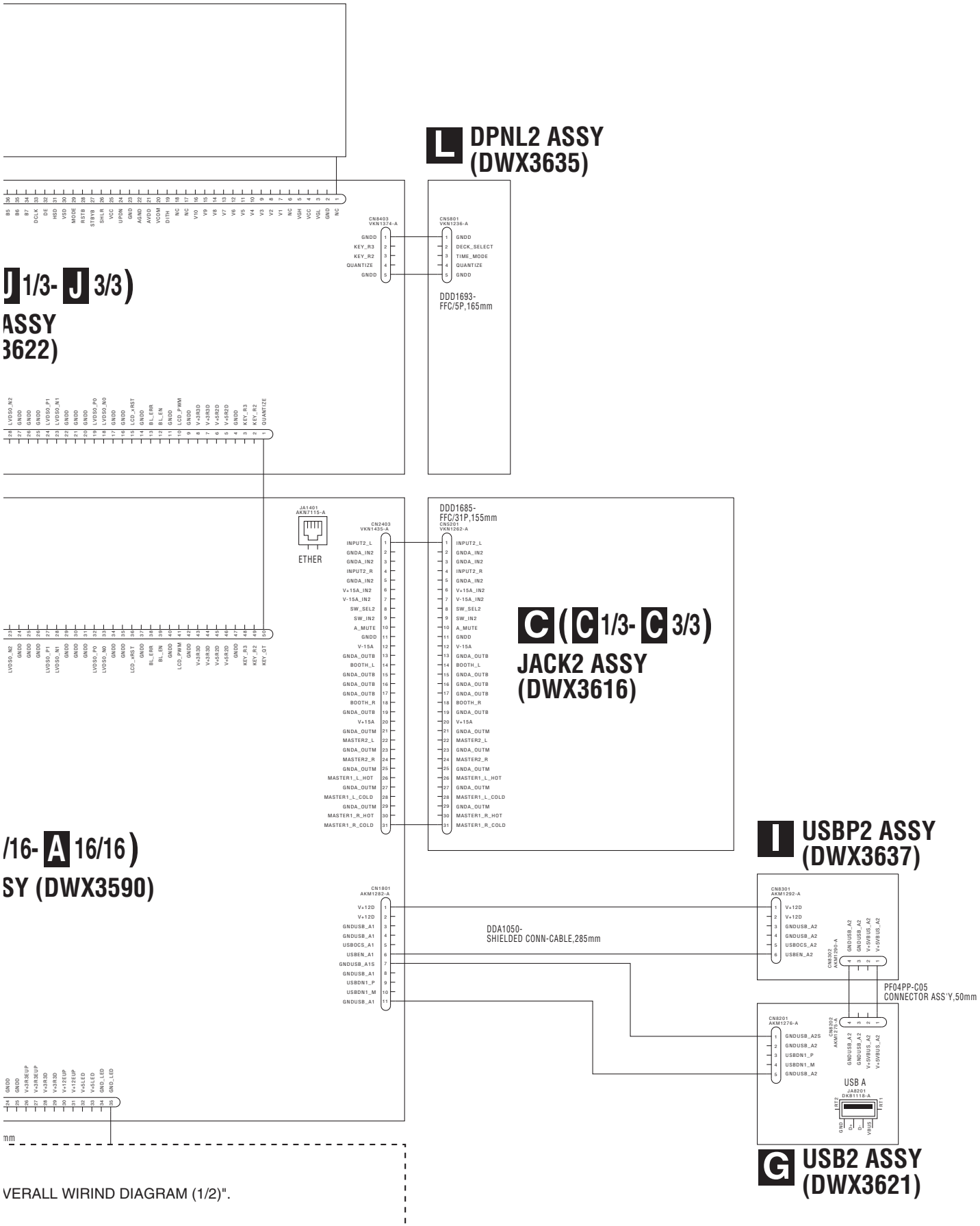

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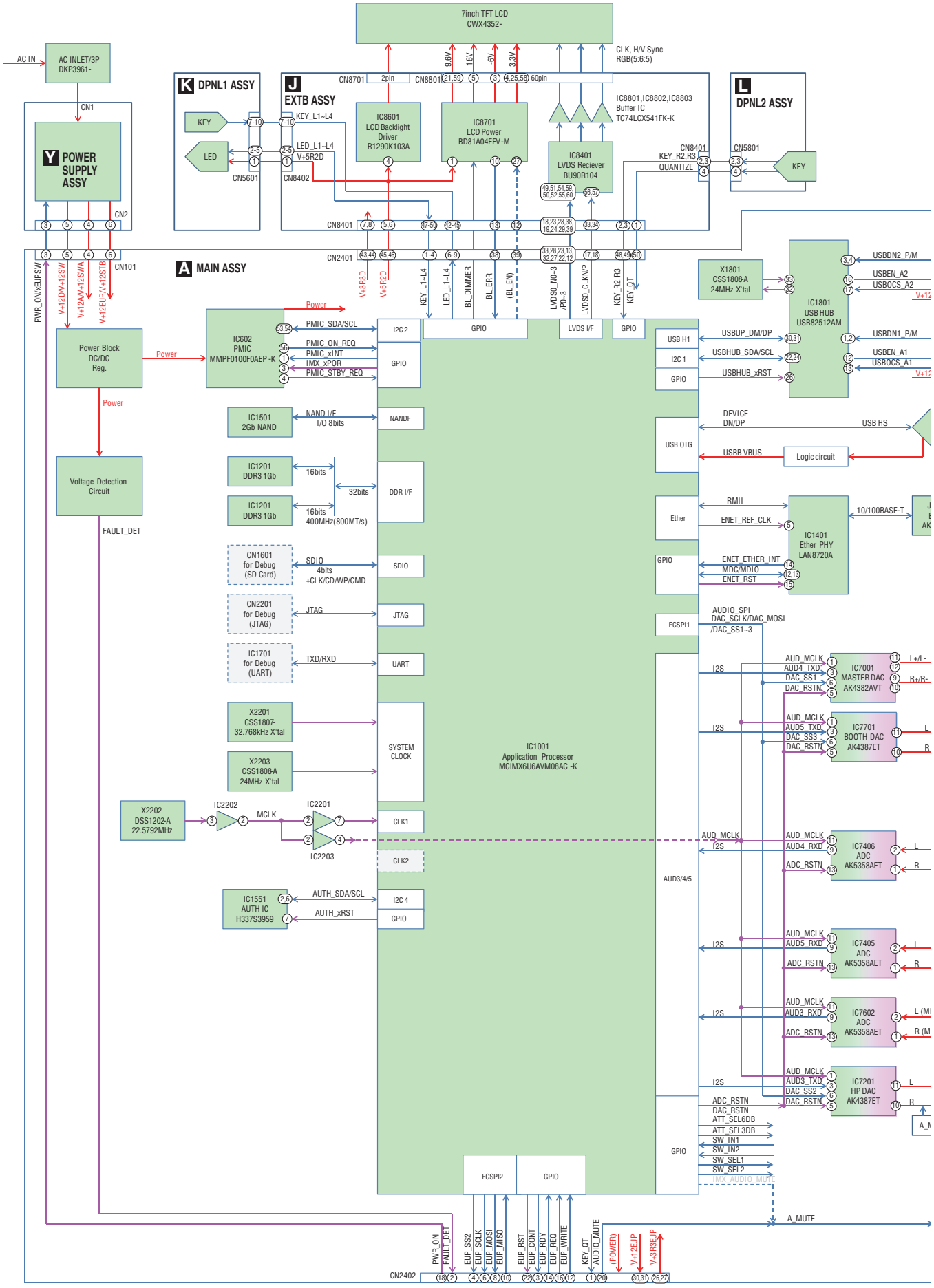
4.3 SIGNAL BLOCK DIAGRAM (CHASSIS SECTION)



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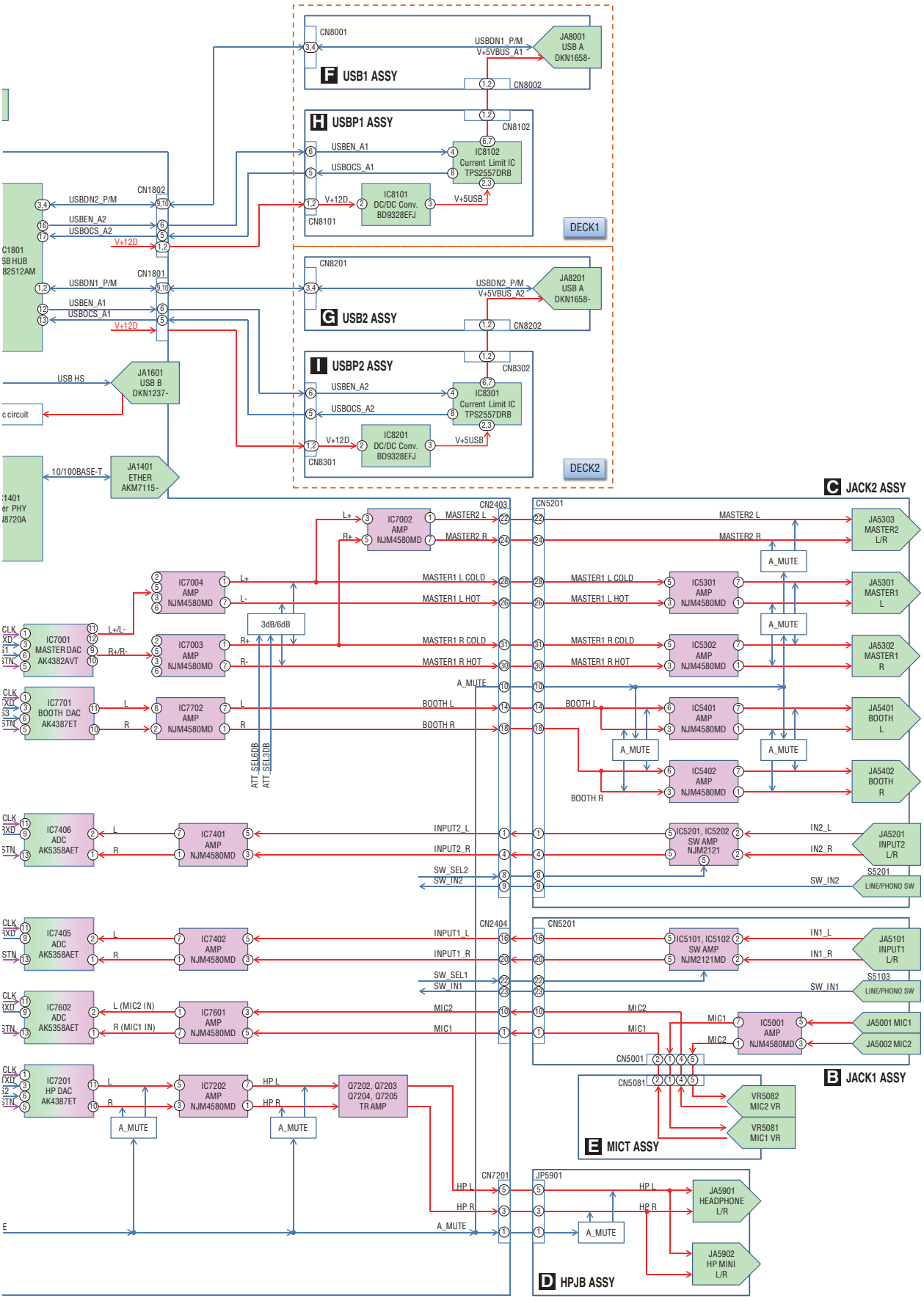

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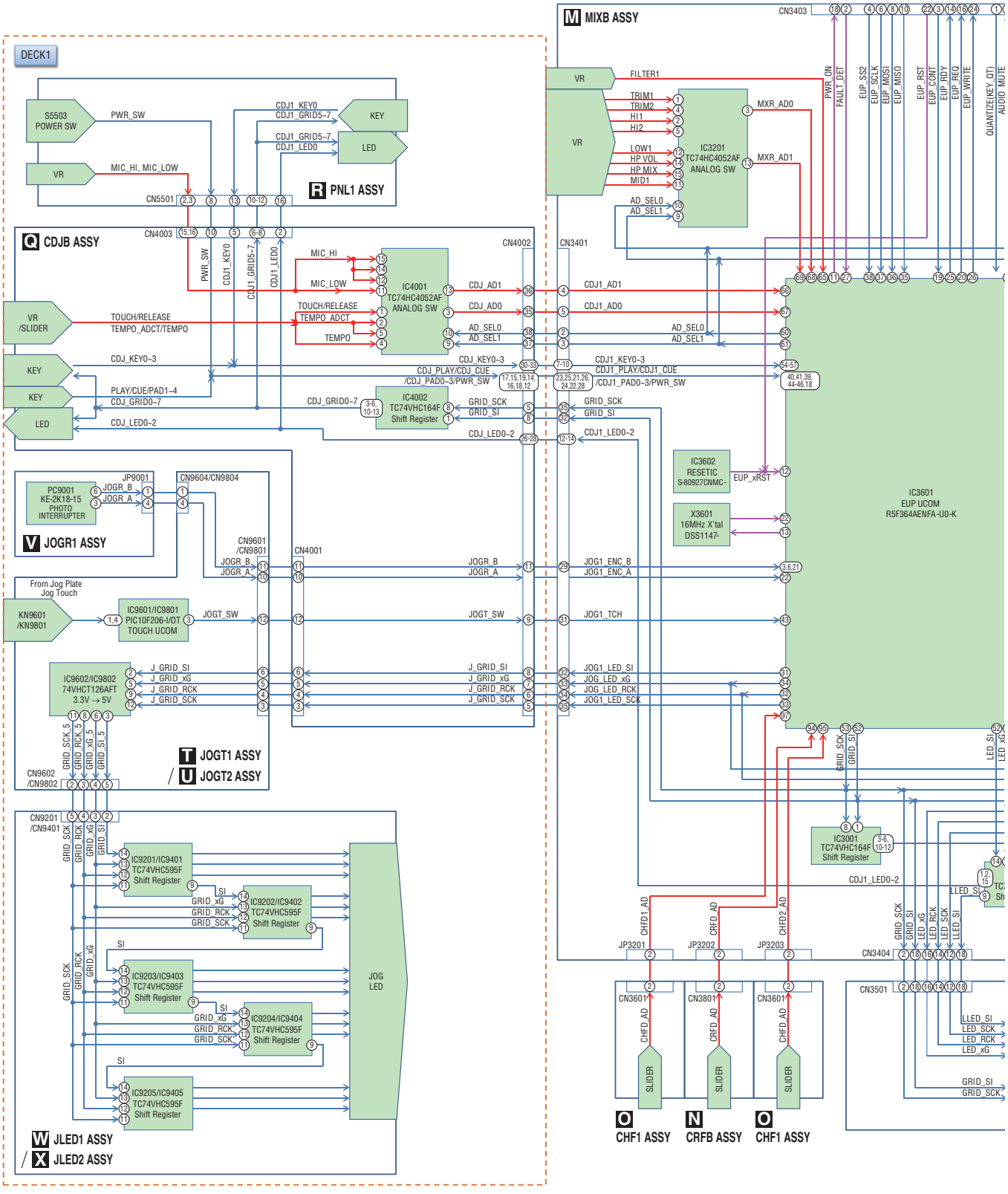
4.4 SIGNAL BLOCK DIAGRAM (PANEL SECTION)



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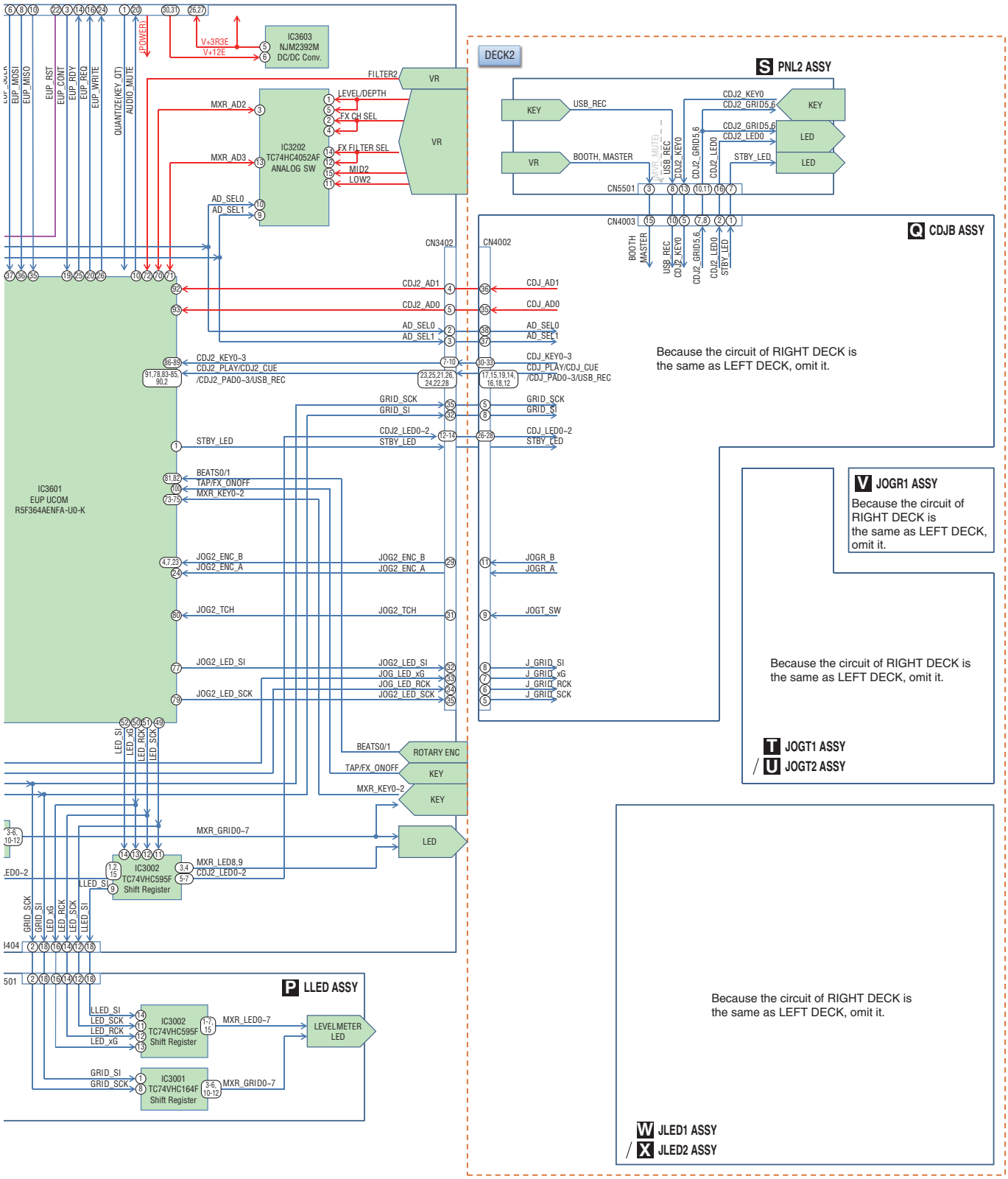

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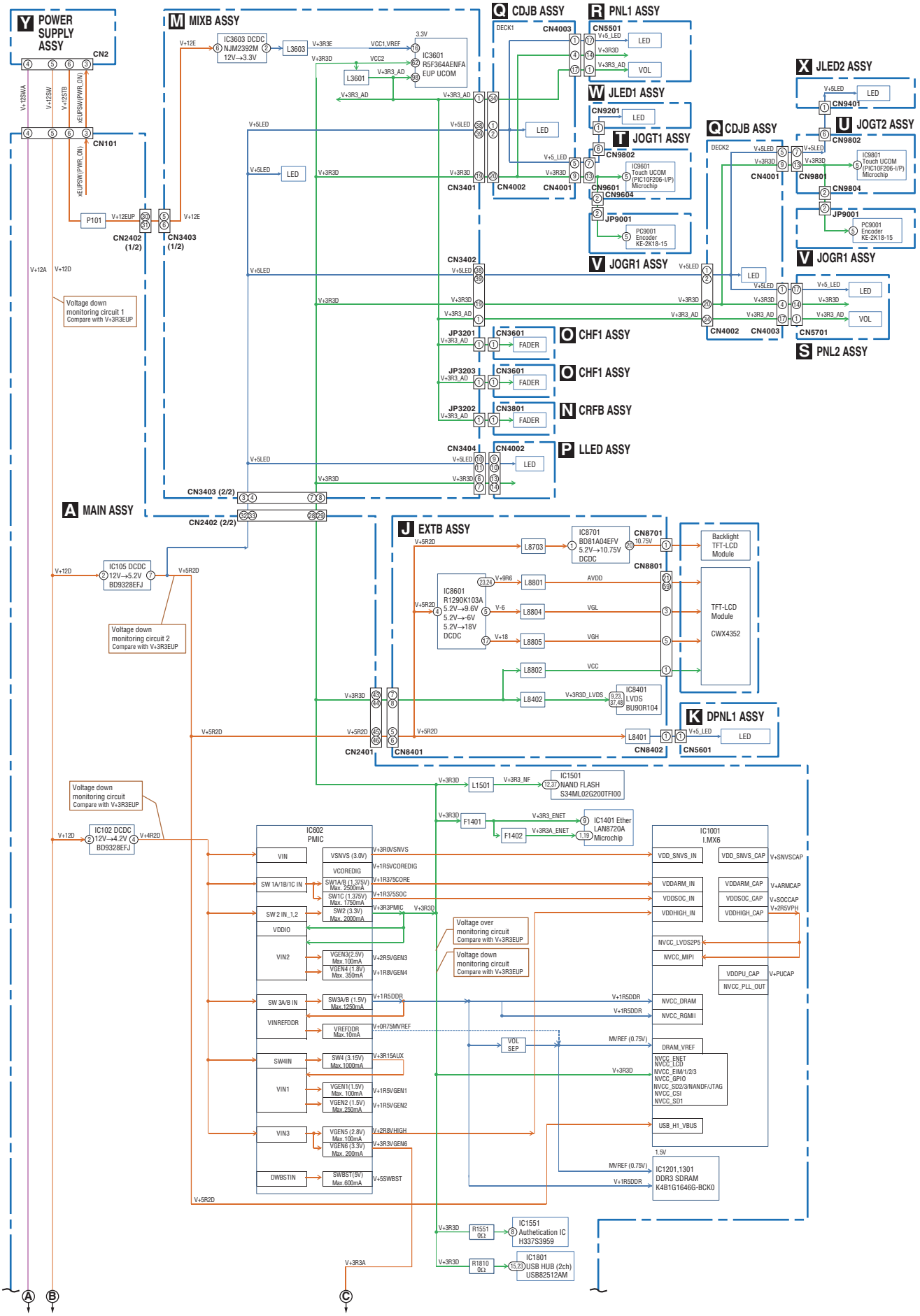
4.5 POWER BLOCK DIAGRAM



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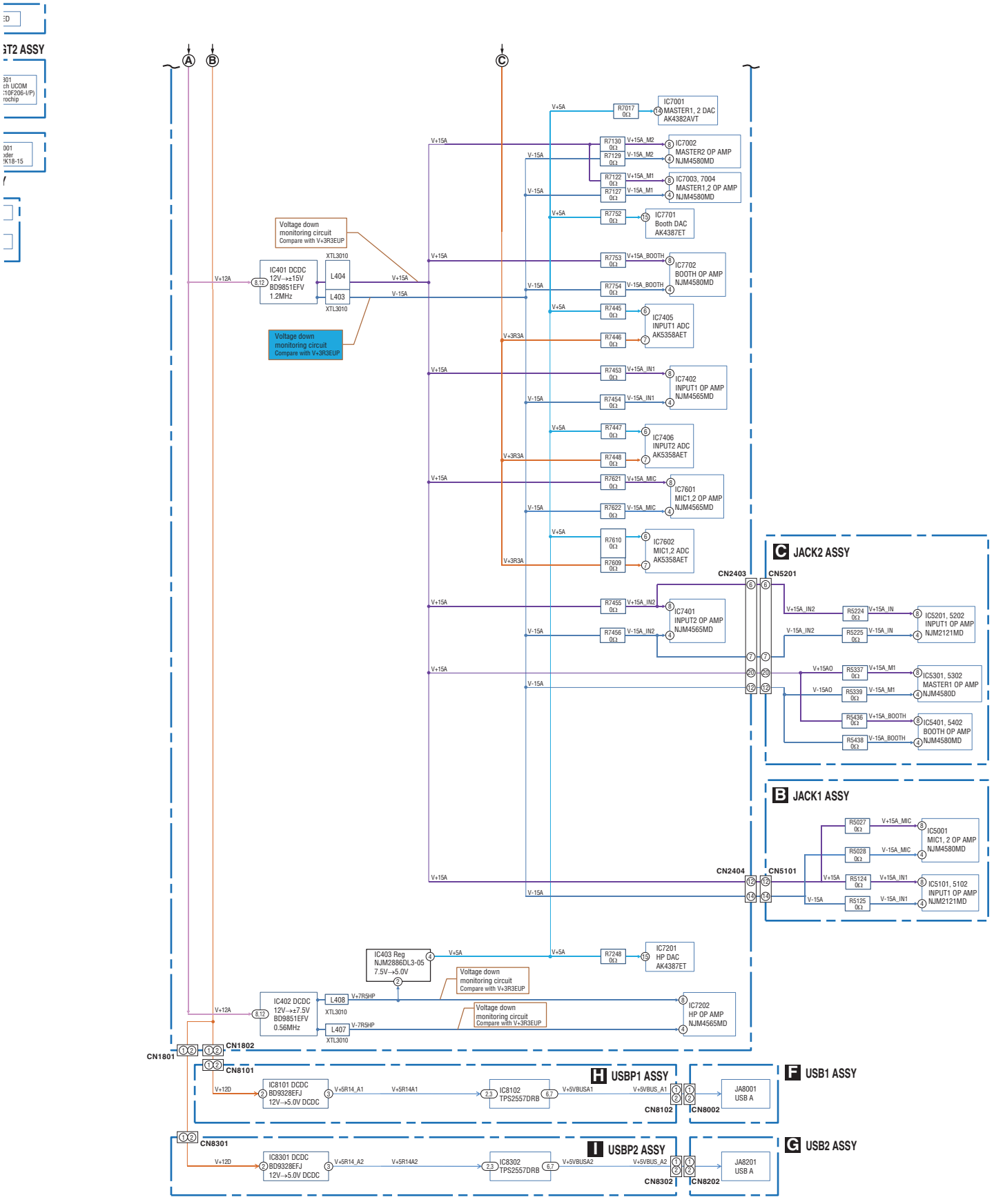

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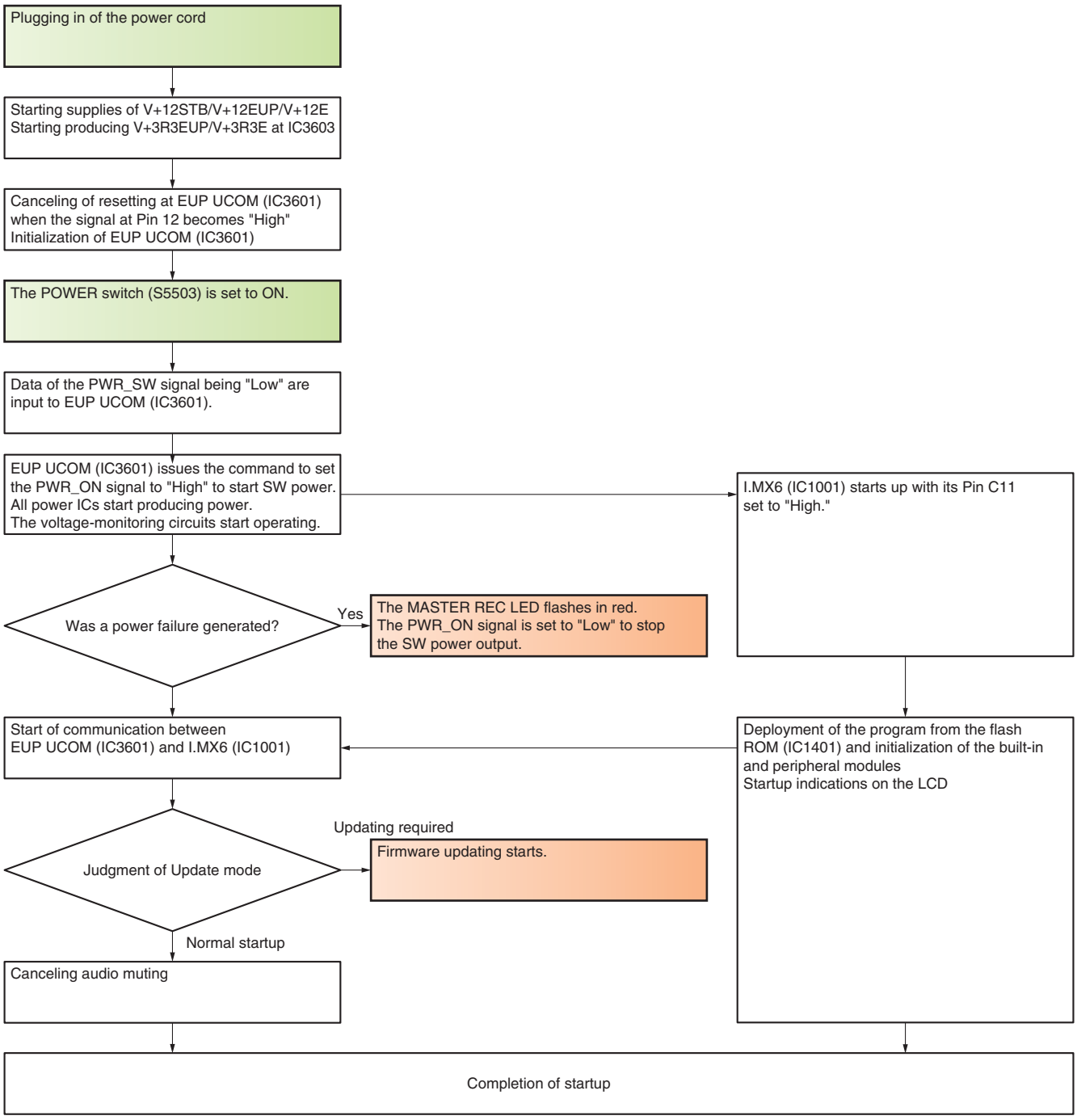
5. DIAGNOSIS
5.1 STARTUP SEQUENCE


Plugging in of the power cord
Starting supplies of V+12STB/V+12EUP/V+12E
Starting producing V+3R3EUP/V+3R3E at IC3603
Canceling of resetting at EUP UCOM (IC3601) when the signal at Pin 12 becomes "High"
Initialization of EUP UCOM (IC3601)
The POWER switch (S5503) is set to ON.
Data of the PWR_SW signal being "Low" are input to EUP UCOM (IC3601).
EUP UCOM (IC3601) issues the command to set the PWR_ON signal to "High" to start SW power.
All power ICs start producing power.
The voltage-monitoring circuits start operating.
I.MX6 (IC1001) starts up with its Pin C11 set to "High."
Was a power failure generated?
Yes
The MASTER REC LED flashes in red.
The PWR_ON signal is set to "Low" to stop the SW power output.
Start of communication between EUP UCOM (IC3601) and I.MX6 (IC1001)
Deployment of the program from the flash ROM (IC1401) and initialization of the built-in and peripheral modules
Startup indications on the LCD
Updating required
Judgment of Update mode
Firmware updating starts.
Normal startup
Canceling audio muting
Completion of startup

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5.2 TROUBLESHOOTING

Before starting troubleshooting, check that all cable connectors are properly engaged.

Before replacing a microcomputer, check also the items shown below.

In a case where a failure of EUP UCOM (IC3601) is suspected	→ Check the voltage, oscillation waveforms of the X'tal, and canceling of reset, referring to "① From plugging in of the power cord to EUP Startup" in "10.46 WAVEFORMS." • MIXB Assy: IC3602, IC3603, X3601

Failure in startup and in the communication system

Failure in the power system

In the following diagnostic procedure, because power will be forcibly supplied even if any power circuit is abnormal, the defective point may produce heat and the circuit that uses the power supply may fail if power supply continues. Be sure to disconnect the AC power cord some seconds after it is connected during the diagnostic procedure so that the unit will not remain forcibly powered.

Before starting checking the power system, be sure to check if each power IC is short-circuited with GND, referring to "10.45 VOLTAGES."

No short-circuit

Disconnect the AC power cord from the product then reconnect it after a while.

Confirmation of SW power

Is the voltage of V+12STB (SW power output) 12 V?

No → As abnormality of the POWER SUPPLY Assy or the associated cables is suspected, check the following power source and cables:
• POWER SUPPLY Assy
• Cables and connectors connected with the POWER SUPPLY Assy

Yes

Confirmation of the protectors

Is the voltage at both ends of P101 12 V?

No → Check conduction of P101. If current is not conducted, replace the protector.
• MAIN Assy: P101

Yes

Is the voltage at Pin 6 (V+12E) of IC3603 12 V?

No → Failure in the connection between the MAIN Assy and MIXB Assy, or IC3603 or its peripheral circuit is suspected.
Check the cables, connectors, and parts on the path between V+12EUP of the MAIN Assy and V+12E of the MIXB Assy.

Yes

Is the voltage of V+3R3E (IC3603 output) 3.3 V?

No → Failure in IC3603 or the parts connected with it is suspected.
Check the parts connected with V+3R3EUP in the MAIN Assy and V+3R3E in the MIXB Assy.

Yes

Set the POWER switch to ON and check the MASTER REC LED.

Confirmation of power-failure detection

Check the MASTER REC LED.

Lit or unlit (NOT flashing in red) → Check the voltage of F-DET.

3.3 V → A type of abnormality that cannot be detected by the voltage monitoring circuit is suspected.
Check if the voltage value is within the normal range, referring to "10.45 VOLTAGES."

0 V

Flashing in red

Disconnect the AC power cord from the product then remove R325 (0 Ω) from the MAIN Assy. Reconnect the AC power cord then set the POWER switch to ON to monitor each power IC.
IMPORTANT: Because the voltage monitoring circuit is disabled, disconnect the AC power cord within several seconds.

→ Check the voltage at each block.
Check the circuits or power ICs that use the power supply with abnormal voltage.

→ Reattach R325 (0 Ω) to the MAIN Assy.
(For enabling the voltage-monitoring function)
Check that the product operates properly.

If the MASTER REC LED is flashing in red or the voltage of F-DET is 0 V, it is recommended that the following circuits be checked first:
• Peripheral circuits of IC401 (V+15A/V-15A generation circuits)
• Q401, Q402, D401, D402

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Failure in startup and in the communication system

Startup is not completed.

After the POWER switch is set to ON, the startup procedure stops in mid-course, with the message "Connect USB storage device to top USB1 port" displayed on the LCD.

Perform updating of the firmware.

Startup has been completed properly.

Failure of previous updating of the firmware was the cause. (Power failure occurred during previous updating.)

Startup was not completed, or updating failed.

See "Updating of the firmware does not start" in this flowchart.

Updating not available

Updating of the firmware does not start.

When the unit is started in Update mode, does the indication on the LCD become that for Update mode?

No

Check the keys (switches) in the CDJB and PNL1 Assys, using the diagnosis in Service mode or referring to "No operation with keys (switches)."
- CDJB Assy: RELOOP/EXIT
- PNL1 Assy: USB1 STOP

If the keys (switches)function normally, the EUP UCOM(IC3601) may be in failure. Replace it.

Yes

Check if the updating notification circuit on the MIXB Assy is normal. While "UPDATE" is displayed on the LCD, check that the voltage at Pin 24 of CN3403 (EUP_WRITE) on the MIXB Assy is 3.3 V.

Is the voltage at Pin 24 of CN3403 (EUP_WRITE) 3.3 V?

No

Check that the voltage at Pin 26 of IC3601 (EUP UCOM) on the MIXB Assy is 3.3 V.
If it is 0 V, replace the IC3601 (EUP UCOM).

Yes

Check if data on the USB memory device have been read. See "Data of the device (USB memory device, hard disk, etc.) connected to the USB A connector cannot be read" in this flowchart.

The device connected to the USB connector and the connector itself are normal.

I.MX (IC1001) cannot recognize the updating status. Check connection between the MAIN Assy and MIXB Assy.
Check also the line connected to Pin 12 of CN2402 (EUP_WRITE) on the MAIN Assy.
If no problem is found, IC1001 may be defective. Replace the MAIN Assy.

Updating not available

Updating of the firmware failed.
"Firmware update failed" is displayed.

Updating is not possible, because the program in the microcomputer is abnormal, the flash ROM or EUP UCOM is in failure, or the communication line is in failure.

Check the indications displayed on the LCD during updating. The updating status of the flash ROM (IC1501) in the MAIN Assy is indicated on the upper line (MAIN). The updating status of the EUP UCOM (IC3601) in the MIXB Assy is indicated on the lower line (SUB). If the progress of a status bar is stopped in mid-course, rewriting of the corresponding flash ROM or EUP UCOM failed.

Rewriting of which one failed, the flash ROM or EUP UCOM?

Flash ROM

Check the periphery of the flash ROM (IC1501).
If there is no problem, replace the MAIN Assy.

EUP UCOM

Data of the firmware for EUP UCOM are transmitted through the USB A connector to EUP UCOM via I.MX6 (IC1001).
Check communication between I.MX6 (IC1001) and EUP UCOM and the connectors and cables that connect the MAIN Assy and MIXB Assy.
Refer also to "⑫ Communications between microcomputers" in "10.46 WAVEFORMS."
If no problems are found in communication waveforms, peripheral circuits, connectors, or cables, replace the MAIN Assy or EUP UCOM (IC3601).

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Confirmation of the USB A connector

Data from the device (USB memory device, hard disk, etc.) connected to the USB A connector cannot be read.

Check if the USB device is normal.
Note that a USB device that requires electric current higher than 1000 mA according to its specifications must not be used.
To such a USB device, USB power supply will be stopped by the protection circuit. Check the voltages at the following points in the USBP1/USBP2 Assy, with the USB device plugged in:
• DECK1: Pin 8 of IC8102 (USBOCS_A1)
• DECK2: Pin 8 of IC8302 (USBOCS_A2)
Refer also to "⑦ USB High-side SW operation" in "10.46 WAVEFORMS."

Confirmation of USB power

Is the voltage at USBOCS_A1/A2 3.3 V?

0 V → USB power supply has been stopped by activation of the protection circuit.
Check the voltage at USBOCS_A1/A2 after the USB device is unplugged.

Is the voltage at USBOCS_A1/A2 3.3 V?

3.3 V → The USB device is in failure or consumes electric current higher than 1000 mA. Replace it.

0 V

Is the voltage at USBEN_A1/A2 in the USBP1/USBP2 Assy 3.3 V?

3.3 V → Check the voltage at USBOCS_A1/USBOCS_A2 in the MAIN Assy.
If it is 3.3 V, check the connection between the MAIN Assy and USBP1/USBP2 Assy. If the connection is OK, check the peripheral circuits of IC8102/IC8302. If they are OK, replace the USBP1/USBP2 Assy.

0 V

Check the voltage at USBEN_A1/A2 in the MAIN Assy.
If it is 3.3 V, check the connection between the MAIN Assy and USBP1/USBP2 Assy.
If it is 0 V, check the connection of USBEN_A1/A2. If the connection is OK, replace the MAIN Assy.

3.3 V

Is the voltage at USBEN_A1/A2 in the USBP1/USBP2 Assy 3.3 V?

0 V

3.3 V

Check the power supply to the USB A connector.
• USBA1/USBA2 Assy:
Pin 1, 2 of CN8002/CN8201
• USBP1/USBP2 Assy:
Pin 1, 2 of CN8102/CN8301
Check if the voltage is 5 V ±0.25.

Is the voltage at each point normal?

No → Check that 12 V is supplied to Pin 2 of IC8101/IC8301 and that no abnormality is found in their peripheral circuits. Check the connection between the USBP1/USBP2 Assy and USB1/USB2 Assy.
If no problem is found in the above checks, power IC (IC8101/IC8301) in the USBPP1/USBP2 Assy may be in failure.

Yes

Check the USB communication line.
• MAIN Assy:
USBDN1_M/P, USBDN2_M/P
• USBA1/USBA2 Assy:
USBDN1_M/P, USBDN2_M/P
There must be conduction between the USBDN1_M/P and USBDN2_M/P connectors and they must not be short-circuited with GND. If current is not conducted between the connectors, also check L8001/L8201 of the USB1/USB2 Assy.
If no problem is found in the above checks, replace the MAIN Assy.

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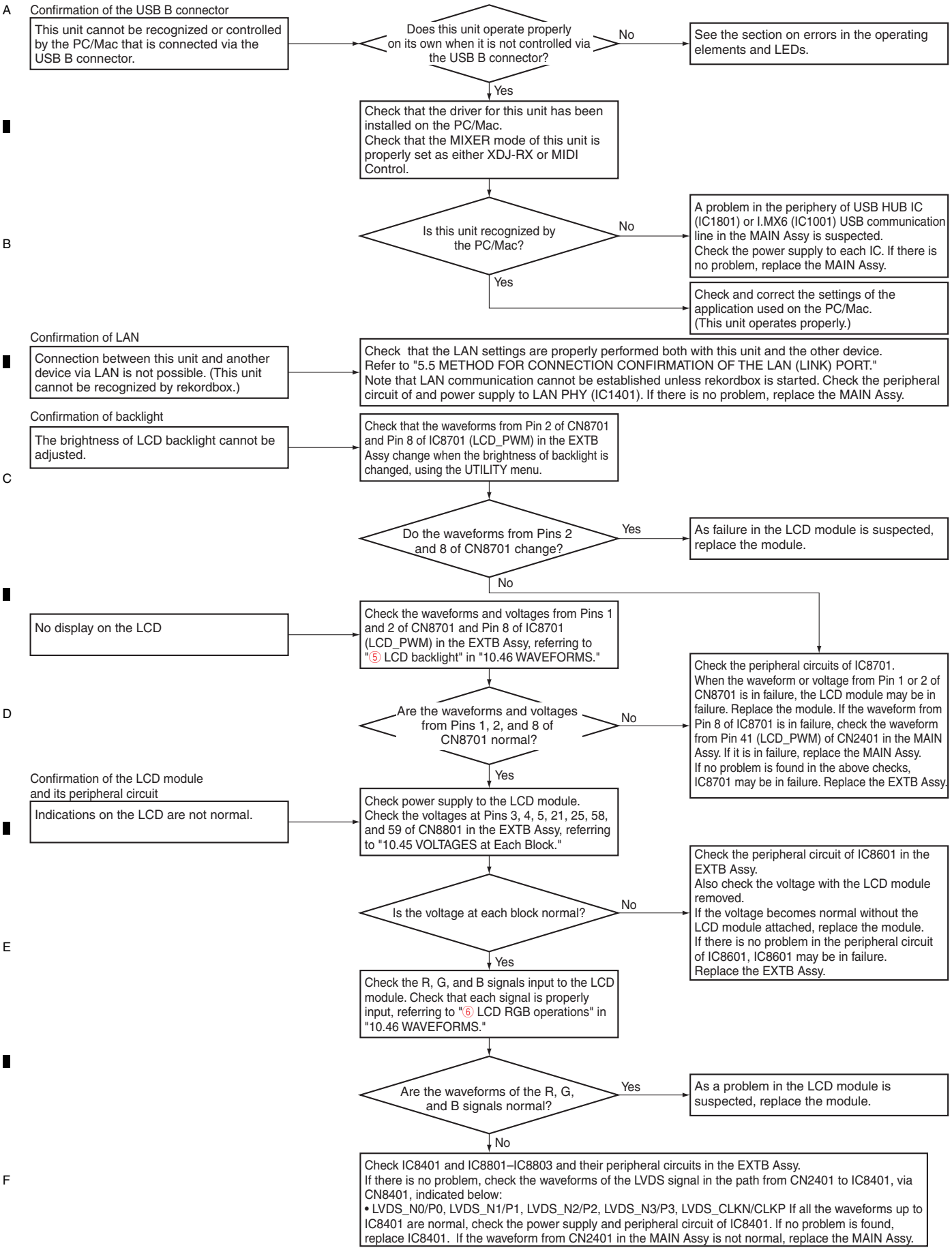
Confirmation of the USB B connector
This unit cannot be recognized or controlled by the PC/Mac that is connected via the USB B connector.
Does this unit operate properly on its own when it is not controlled via the USB B connector?
No
See the section on errors in the operating elements and LEDs.
Yes
Check that the driver for this unit has been installed on the PC/Mac.
Check that the MIXER mode of this unit is properly set as either XDJ-RX or MIDI Control.
Is this unit recognized by the PC/Mac?
No
A problem in the periphery of USB HUB IC (IC1801) or I.MX6 (IC1001) USB communication line in the MAIN Assy is suspected.
Check the power supply to each IC. If there is no problem, replace the MAIN Assy.
Yes
Check and correct the settings of the application used on the PC/Mac.
(This unit operates properly.)
Confirmation of LAN
Connection between this unit and another device via LAN is not possible. (This unit cannot be recognized by rekordbox.)
Check that the LAN settings are properly performed both with this unit and the other device.
Refer to "5.5 METHOD FOR CONNECTION CONFIRMATION OF THE LAN (LINK) PORT."
Note that LAN communication cannot be established unless rekordbox is started. Check the peripheral circuit of and power supply to LAN PHY (IC1401). If there is no problem, replace the MAIN Assy.
Confirmation of backlight
The brightness of LCD backlight cannot be adjusted.
Check that the waveforms from Pin 2 of CN8701 and Pin 8 of IC8701 (LCD_PWM) in the EXTB Assy change when the brightness of backlight is changed, using the UTILITY menu.
Do the waveforms from Pins 2 and 8 of CN8701 change?
Yes
As failure in the LCD module is suspected, replace the module.
No
No display on the LCD
Check the waveforms and voltages from Pins 1 and 2 of CN8701 and Pin 8 of IC8701 (LCD_PWM) in the EXTB Assy, referring to "⑤ LCD backlight" in "10.46 WAVEFORMS."
Check the peripheral circuits of IC8701.
When the waveform or voltage from Pin 1 or 2 of CN8701 is in failure, the LCD module may be in failure. Replace the module. If the waveform from Pin 8 of IC8701 is in failure, check the waveform from Pin 41 (LCD_PWM) of CN2401 in the MAIN Assy. If it is in failure, replace the MAIN Assy.
If no problem is found in the above checks, IC8701 may be in failure. Replace the EXTB Assy.
Are the waveforms and voltages from Pins 1, 2, and 8 of CN8701 normal?
No
Yes
Confirmation of the LCD module and its peripheral circuit
Indications on the LCD are not normal.
Check power supply to the LCD module.
Check the voltages at Pins 3, 4, 5, 21, 25, 58, and 59 of CN8801 in the EXTB Assy, referring to "10.45 VOLTAGES at Each Block."
Is the voltage at each block normal?
No
Check the peripheral circuit of IC8601 in the EXTB Assy.
Also check the voltage with the LCD module removed.
If the voltage becomes normal without the LCD module attached, replace the module.
If there is no problem in the peripheral circuit of IC8601, IC8601 may be in failure.
Replace the EXTB Assy.
Yes
Check the R, G, and B signals input to the LCD module. Check that each signal is properly input, referring to "⑥ LCD RGB operations" in "10.46 WAVEFORMS."
Are the waveforms of the R, G, and B signals normal?
Yes
As a problem in the LCD module is suspected, replace the module.
No
Check IC8401 and IC8801–IC8803 and their peripheral circuits in the EXTB Assy.
If there is no problem, check the waveforms of the LVDS signal in the path from CN2401 to IC8401, via CN8401, indicated below:
• LVDS_N0/P0, LVDS_N1/P1, LVDS_N2/P2, LVDS_N3/P3, LVDS_CLKN/CLKP If all the waveforms up to IC8401 are normal, check the power supply and peripheral circuit of IC8401. If no problem is found, replace IC8401. If the waveform from CN2401 in the MAIN Assy is not normal, replace the MAIN Assy.

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Trouble with the operating elements or LEDs

■ **Direct-input keys (EUP UCOM)**
MIXB Assy: TAP, FX ON/OFF, BROWSE ENCODER, TIME ENCODER
CDJB Assy: CUE, PLAY/PAUSE, HOT CUE A, HOT CUE B, HOT CUE C, HOT CUE D
PNL1 Assy: POWER SW
PNL2 Assy: MASTER REC
DPNL2 Assy: QUANTIZE
JOGT1/2 Assy: JOGT SW
JOGR Assy: JOGR A, JOGR B

■ **Direct-input keys (MAIN UCOM)**
DPNL1 Assy: rekordbox, MIDI, USB1, USB2
DPNL2 Assy: DECK1/2, TIME MODE
JACK1 Assy: Phono1/Line1 SW
JACK2 Assy: Phono2/Line2 SW

■ **Matrix keys (EUP UCOM)**
MIXB Assy: BROWSE, TAG LIST, INFO, MENU, NOISE, GATE/COMP, CRUSH, FILTER, HP CUE1, HP CUE2, LOAD1, LOAD2, BACK, TAG TRACK/REMOVE, ◄ BEATS, BEATS ►, BROWSE PUSH, INPUT1 SELECT, INPUT2 SELECT, CROSS FADER CURVE
CDJB Assy: LOOP IN, LOOP OUT, RELOOP, REV, SLIP, HOT CUE, AUTO BEAT LOOP, LOOP SLICE, SHIFT, VINYL, SYNC, MASTER, MASTER TEMPO, TEMPO, ◄ CALL, CALL ►, DELITE, MEMORY, I◄◄ TRACK SEARCH, TRACK SEARCH ►►I
PNL1 Assy: USB1 STOP, MIC SELECT
PNL2 Assy: USB2 STOP, TRACK MARK

■ **Direct-input A/Dkeys (EUP UCOM)**
MIXB Assy: COLOR1, COLOR2, CH1 FADER, CH2 FADER, CROSS FADER

■ **Multiplexer A/Dkeys (EUP UCOM)**
MIXB Assy: TRIM1, TRIM2, HI1, HI2, MID1, MID2, LOW1, LOW2, HP MIXING, HP LEVEL, LEVEL/DEPTH, BEAT EFFECT SW, BEAT CH SW
CDJB Assy: TEMPO SLIDER, TOUCH/RELEASE
PNL1 Assy: MIC HI, MIC LOW
PNL2 Assy: BOOTH MONITOR, MASTER LEVEL

Some of the matrix keys (SW) do not function, and some of the LEDs cannot light.

→ Check on the circuit diagram if the inoperable keys and LEDs use the same grid.

→ Is the same grid used?

Yes → Check the corresponding grid, referring to "⑤ Grid control" in "10.46 WAVEFORMS." If no grid waveform signal is output from the shift register IC, check the communication line with the microcomputer first, then check if the grid line is short-circuited with GND, caused by a failure in a key, LED, or the transistor for the drive. Also check the connection of the grid line. If there is no problem, replace the shift register IC:
- If the MIXER block is in failure
  Replace IC3001 in the MIXB Assy.
- If the CDJ block is in failure
  Replace IC4002 in the CDJB Assy.
- If the level meter LEDs do not light
  Replace IC3501 in the LLED Assy.

No → See "No operation with keys (switches), No operation with slide switches, No response to pressing the rotary selector," or "The LEDs do not light."

No operation with keys (switches), No operation with slide switches, No response to pressing the rotary selector

→ Only the direct-input keys are inoperable.

Yes → Check that current is conducted between the terminals of the switch when it is pressed. If current is not conducted, replace the switch. Check the line between the switch and the microcomputer. If the line is OK, replace the microcomputer to which the switch is connected, as follows: MIXB Assy: IC3601.

No → Check the transistors on the line that is connected to the microcomputer port and waveforms and connections of the line. If no problem is found, replace the microcomputer (IC3601) in the MIXB Assy.

The rotary VRs are inoperable.
The rotary selector is inoperable.

→ Are the rotary VRs directly connected to and controlled by the microcomputers?

Yes → Check that the resistance value of the line that is connected to ground and the microcomputer changes in accordance with turning of the VR. Check the connection line between the microcomputer and the VR. If no problem is found, replace the microcomputers to which the VR is connected, as follows: MIXB Assy: IC3601.

No → Check that the resistance values of the lines that are connected to GND and a microcomputer change in response to turning of the VR.
Check the connection lines between the analog SW ICs and rotary selectors/VRs, referring to "⑮ A/D SW operations" in "10.46 WAVEFORMS."
If there is no problem, replace the analog SW IC to which an inoperable rotary selector/VR is connected:
- If the MIXER block is in failure
  Replace IC3201 and IC3202 in the MIXB Assy.
- If the CDJ block is in failure
  Replace IC4001 in the CDJB Assy.

The JOG dial is inoperable.

→ Check if a normal waveform is input to the microcomputer, referring to "⑭ Jog rotation signal" in "10.46 WAVEFORMS."
If no problem is found, replace the microcomputer:
- Replace IC3601 in the MIXB Assy.

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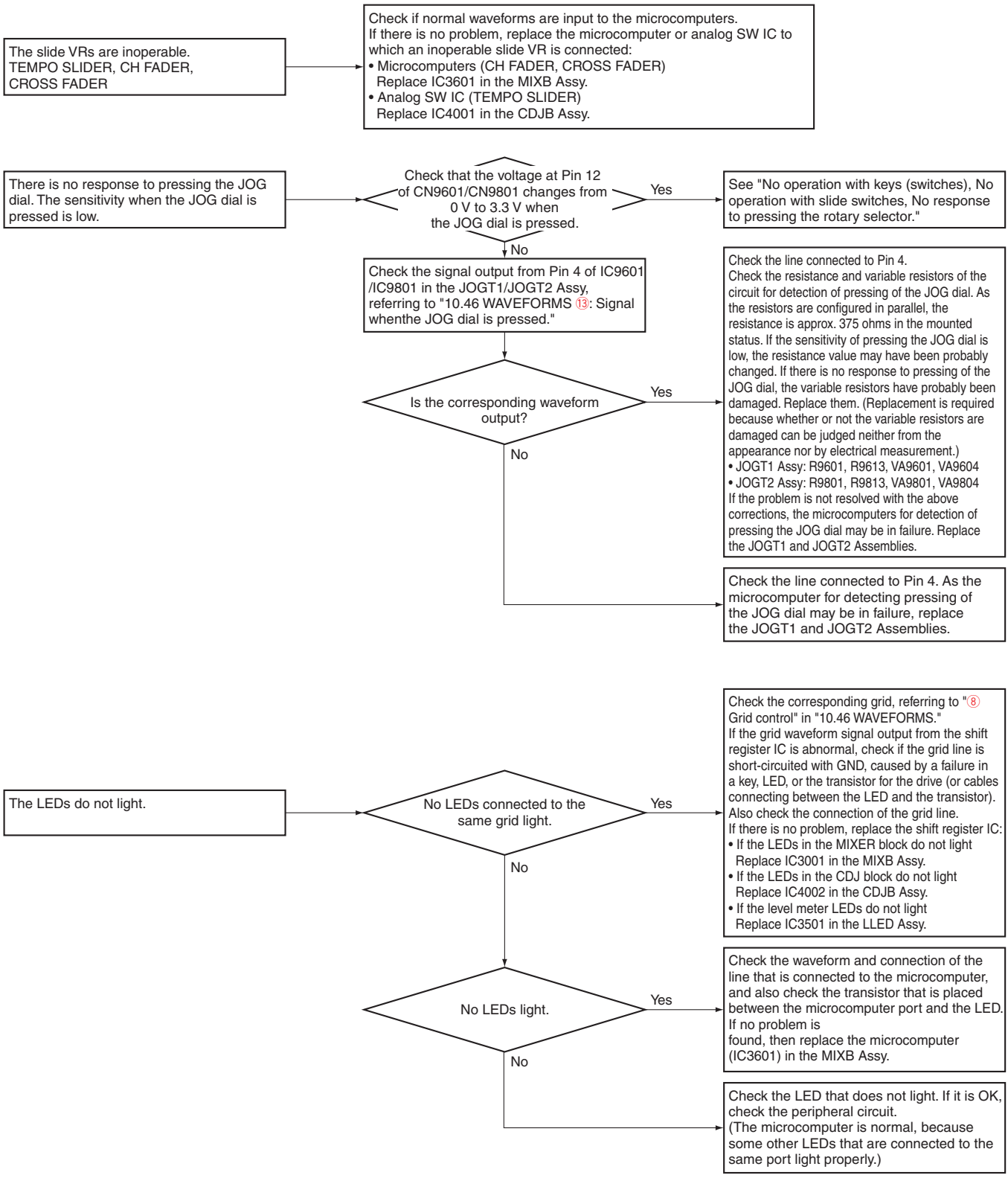
The slide VRs are inoperable.
TEMPO SLIDER, CH FADER,
CROSS FADER
Check if normal waveforms are input to the microcomputers.
If there is no problem, replace the microcomputer or analog SW IC to which an inoperable slide VR is connected:
• Microcomputers (CH FADER, CROSS FADER)
Replace IC3601 in the MIXB Assy.
• Analog SW IC (TEMPO SLIDER)
Replace IC4001 in the CDJB Assy.
There is no response to pressing the JOG dial. The sensitivity when the JOG dial is pressed is low.
Check that the voltage at Pin 12 of CN9601/CN9801 changes from 0 V to 3.3 V when the JOG dial is pressed.
Yes
See "No operation with keys (switches), No operation with slide switches, No response to pressing the rotary selector."
No
Check the signal output from Pin 4 of IC9601 /IC9801 in the JOGT1/JOGT2 Assy, referring to "10.46 WAVEFORMS ⑬: Signal whenthe JOG dial is pressed."
Is the corresponding waveform output?
Yes
Check the line connected to Pin 4.
Check the resistance and variable resistors of the circuit for detection of pressing of the JOG dial. As the resistors are configured in parallel, the resistance is approx. 375 ohms in the mounted status. If the sensitivity of pressing the JOG dial is low, the resistance value may have been probably changed. If there is no response to pressing of the JOG dial, the variable resistors have probably been damaged. Replace them. (Replacement is required because whether or not the variable resistors are damaged can be judged neither from the appearance nor by electrical measurement.)
• JOGT1 Assy: R9601, R9613, VA9601, VA9604
• JOGT2 Assy: R9801, R9813, VA9801, VA9804
If the problem is not resolved with the above corrections, the microcomputers for detection of pressing the JOG dial may be in failure. Replace the JOGT1 and JOGT2 Assemblies.
No
Check the line connected to Pin 4. As the microcomputer for detecting pressing of the JOG dial may be in failure, replace the JOGT1 and JOGT2 Assemblies.
The LEDs do not light.
No LEDs connected to the same grid light.
Yes
Check the corresponding grid, referring to "⑧ Grid control" in "10.46 WAVEFORMS."
If the grid waveform signal output from the shift register IC is abnormal, check if the grid line is short-circuited with GND, caused by a failure in a key, LED, or the transistor for the drive (or cables connecting between the LED and the transistor). Also check the connection of the grid line.
If there is no problem, replace the shift register IC:
• If the LEDs in the MIXER block do not light
Replace IC3001 in the MIXB Assy.
• If the LEDs in the CDJ block do not light
Replace IC4002 in the CDJB Assy.
• If the level meter LEDs do not light
Replace IC3501 in the LLED Assy.
No
No LEDs light.
Yes
Check the waveform and connection of the line that is connected to the microcomputer, and also check the transistor that is placed between the microcomputer port and the LED. If no problem is found, then replace the microcomputer (IC3601) in the MIXB Assy.
No
Check the LED that does not light. If it is OK, check the peripheral circuit.
(The microcomputer is normal, because some other LEDs that are connected to the same port light properly.)

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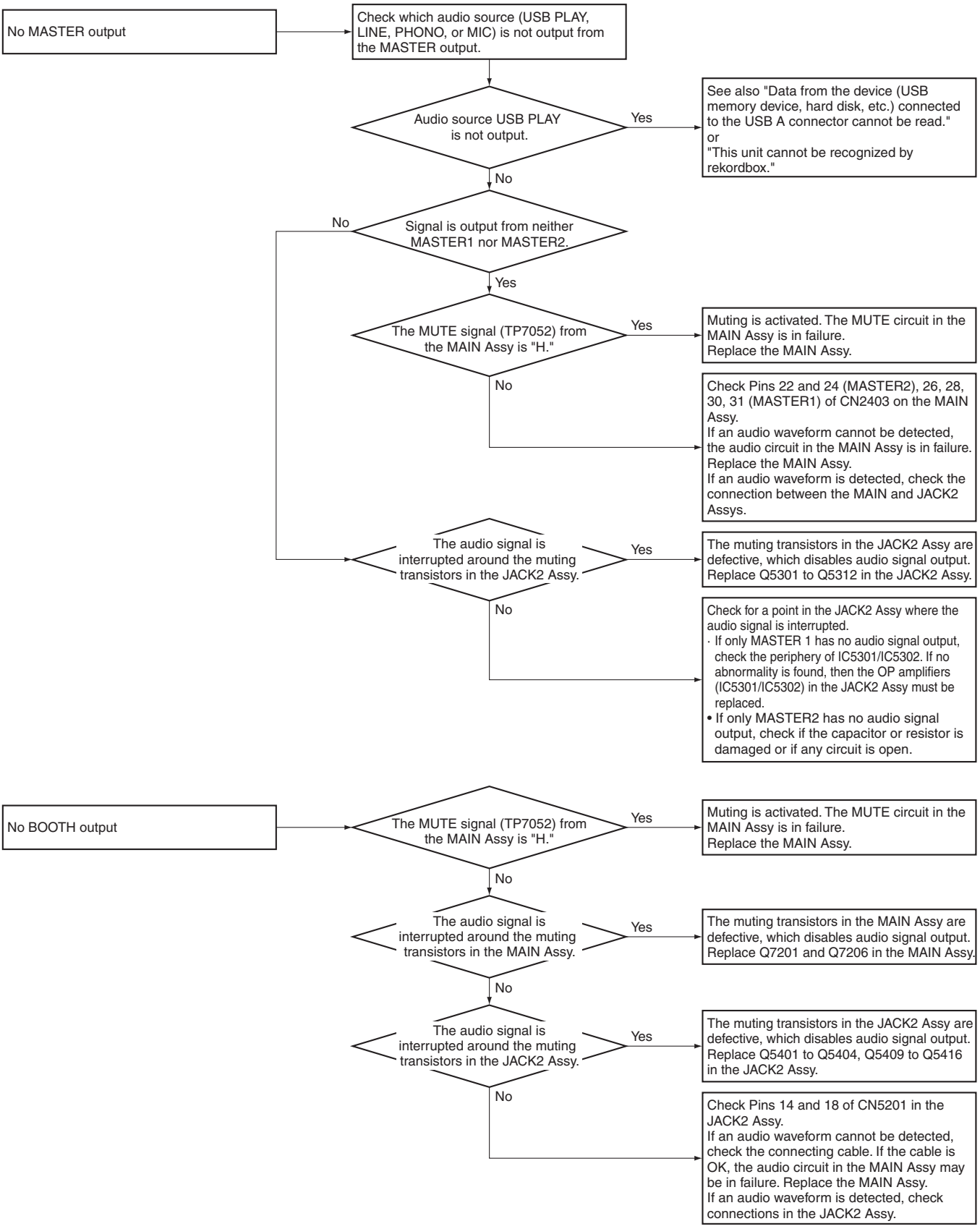
Trouble in the audio system


No MASTER output
Check which audio source (USB PLAY, LINE, PHONO, or MIC) is not output from the MASTER output.
Audio source USB PLAY is not output.
Yes
See also "Data from the device (USB memory device, hard disk, etc.) connected to the USB A connector cannot be read." or "This unit cannot be recognized by rekordbox."
No
Signal is output from neither MASTER1 nor MASTER2.
No
Yes
The MUTE signal (TP7052) from the MAIN Assy is "H."
Yes
Muting is activated. The MUTE circuit in the MAIN Assy is in failure. Replace the MAIN Assy.
No
Check Pins 22 and 24 (MASTER2), 26, 28, 30, 31 (MASTER1) of CN2403 on the MAIN Assy. If an audio waveform cannot be detected, the audio circuit in the MAIN Assy is in failure. Replace the MAIN Assy. If an audio waveform is detected, check the connection between the MAIN and JACK2 Assys.
The audio signal is interrupted around the muting transistors in the JACK2 Assy.
Yes
The muting transistors in the JACK2 Assy are defective, which disables audio signal output. Replace Q5301 to Q5312 in the JACK2 Assy.
No
Check for a point in the JACK2 Assy where the audio signal is interrupted.
· If only MASTER 1 has no audio signal output, check the periphery of IC5301/IC5302. If no abnormality is found, then the OP amplifiers (IC5301/IC5302) in the JACK2 Assy must be replaced.
• If only MASTER2 has no audio signal output, check if the capacitor or resistor is damaged or if any circuit is open.
No BOOTH output
The MUTE signal (TP7052) from the MAIN Assy is "H."
Yes
Muting is activated. The MUTE circuit in the MAIN Assy is in failure. Replace the MAIN Assy.
No
The audio signal is interrupted around the muting transistors in the MAIN Assy.
Yes
The muting transistors in the MAIN Assy are defective, which disables audio signal output. Replace Q7201 and Q7206 in the MAIN Assy.
No
The audio signal is interrupted around the muting transistors in the JACK2 Assy.
Yes
The muting transistors in the JACK2 Assy are defective, which disables audio signal output. Replace Q5401 to Q5404, Q5409 to Q5416 in the JACK2 Assy.
No
Check Pins 14 and 18 of CN5201 in the JACK2 Assy. If an audio waveform cannot be detected, check the connecting cable. If the cable is OK, the audio circuit in the MAIN Assy may be in failure. Replace the MAIN Assy. If an audio waveform is detected, check connections in the JACK2 Assy.

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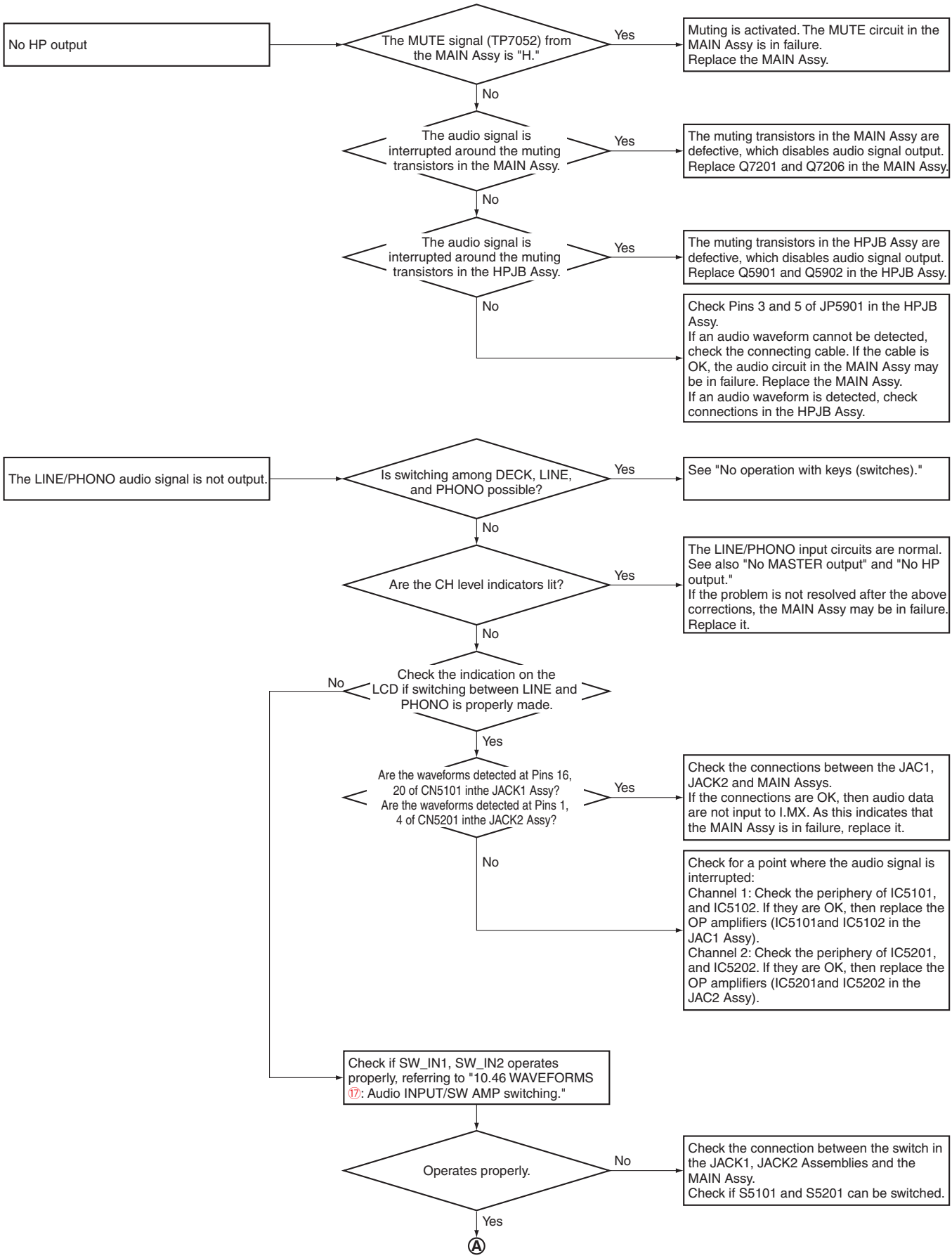
No HP output
The MUTE signal (TP7052) from the MAIN Assy is "H."
Yes
Muting is activated. The MUTE circuit in the MAIN Assy is in failure. Replace the MAIN Assy.
No
The audio signal is interrupted around the muting transistors in the MAIN Assy.
Yes
The muting transistors in the MAIN Assy are defective, which disables audio signal output. Replace Q7201 and Q7206 in the MAIN Assy.
No
The audio signal is interrupted around the muting transistors in the HPJB Assy.
Yes
The muting transistors in the HPJB Assy are defective, which disables audio signal output. Replace Q5901 and Q5902 in the HPJB Assy.
No
Check Pins 3 and 5 of JP5901 in the HPJB Assy.
If an audio waveform cannot be detected, check the connecting cable. If the cable is OK, the audio circuit in the MAIN Assy may be in failure. Replace the MAIN Assy.
If an audio waveform is detected, check connections in the HPJB Assy.
The LINE/PHONO audio signal is not output.
Is switching among DECK, LINE, and PHONO possible?
Yes
See "No operation with keys (switches)."
No
Are the CH level indicators lit?
Yes
The LINE/PHONO input circuits are normal. See also "No MASTER output" and "No HP output."
If the problem is not resolved after the above corrections, the MAIN Assy may be in failure. Replace it.
No
Check the indication on the LCD if switching between LINE and PHONO is properly made.
No
Yes
Are the waveforms detected at Pins 16, 20 of CN5101 inthe JACK1 Assy?
Are the waveforms detected at Pins 1, 4 of CN5201 inthe JACK2 Assy?
Yes
Check the connections between the JAC1, JACK2 and MAIN Assys.
If the connections are OK, then audio data are not input to I.MX. As this indicates that the MAIN Assy is in failure, replace it.
No
Check for a point where the audio signal is interrupted:
Channel 1: Check the periphery of IC5101, and IC5102. If they are OK, then replace the OP amplifiers (IC5101and IC5102 in the JAC1 Assy).
Channel 2: Check the periphery of IC5201, and IC5202. If they are OK, then replace the OP amplifiers (IC5201and IC5202 in the JAC2 Assy).
Check if SW_IN1, SW_IN2 operates properly, referring to "10.46 WAVEFORMS ⑰: Audio INPUT/SW AMP switching."
Operates properly.
No
Check the connection between the switch in the JACK1, JACK2 Assemblies and the MAIN Assy.
Check if S5101 and S5201 can be switched.
Yes
Ⓐ

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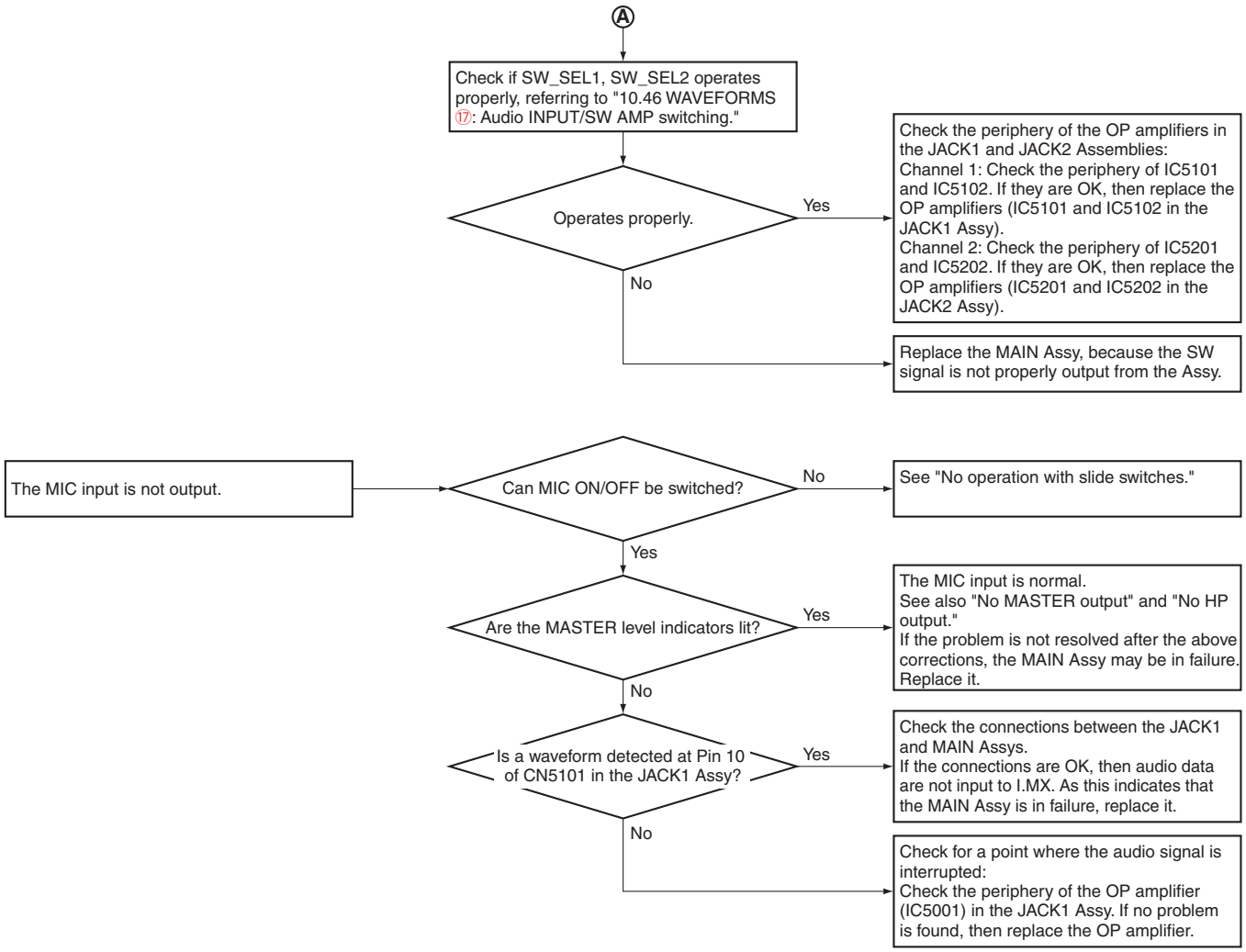
Ⓐ
Check if SW_SEL1, SW_SEL2 operates properly, referring to "10.46 WAVEFORMS ⑰: Audio INPUT/SW AMP switching."
Operates properly.
Yes
Check the periphery of the OP amplifiers in the JACK1 and JACK2 Assemblies:
Channel 1: Check the periphery of IC5101 and IC5102. If they are OK, then replace the OP amplifiers (IC5101 and IC5102 in the JACK1 Assy).
Channel 2: Check the periphery of IC5201 and IC5202. If they are OK, then replace the OP amplifiers (IC5201 and IC5202 in the JACK2 Assy).
No
Replace the MAIN Assy, because the SW signal is not properly output from the Assy.
The MIC input is not output.
Can MIC ON/OFF be switched?
No
See "No operation with slide switches."
Yes
Are the MASTER level indicators lit?
Yes
The MIC input is normal.
See also "No MASTER output" and "No HP output."
If the problem is not resolved after the above corrections, the MAIN Assy may be in failure. Replace it.
No
Is a waveform detected at Pin 10 of CN5101 in the JACK1 Assy?
Yes
Check the connections between the JACK1 and MAIN Assys.
If the connections are OK, then audio data are not input to I.MX. As this indicates that the MAIN Assy is in failure, replace it.
No
Check for a point where the audio signal is interrupted:
Check the periphery of the OP amplifier (IC5001) in the JACK1 Assy. If no problem is found, then replace the OP amplifier.

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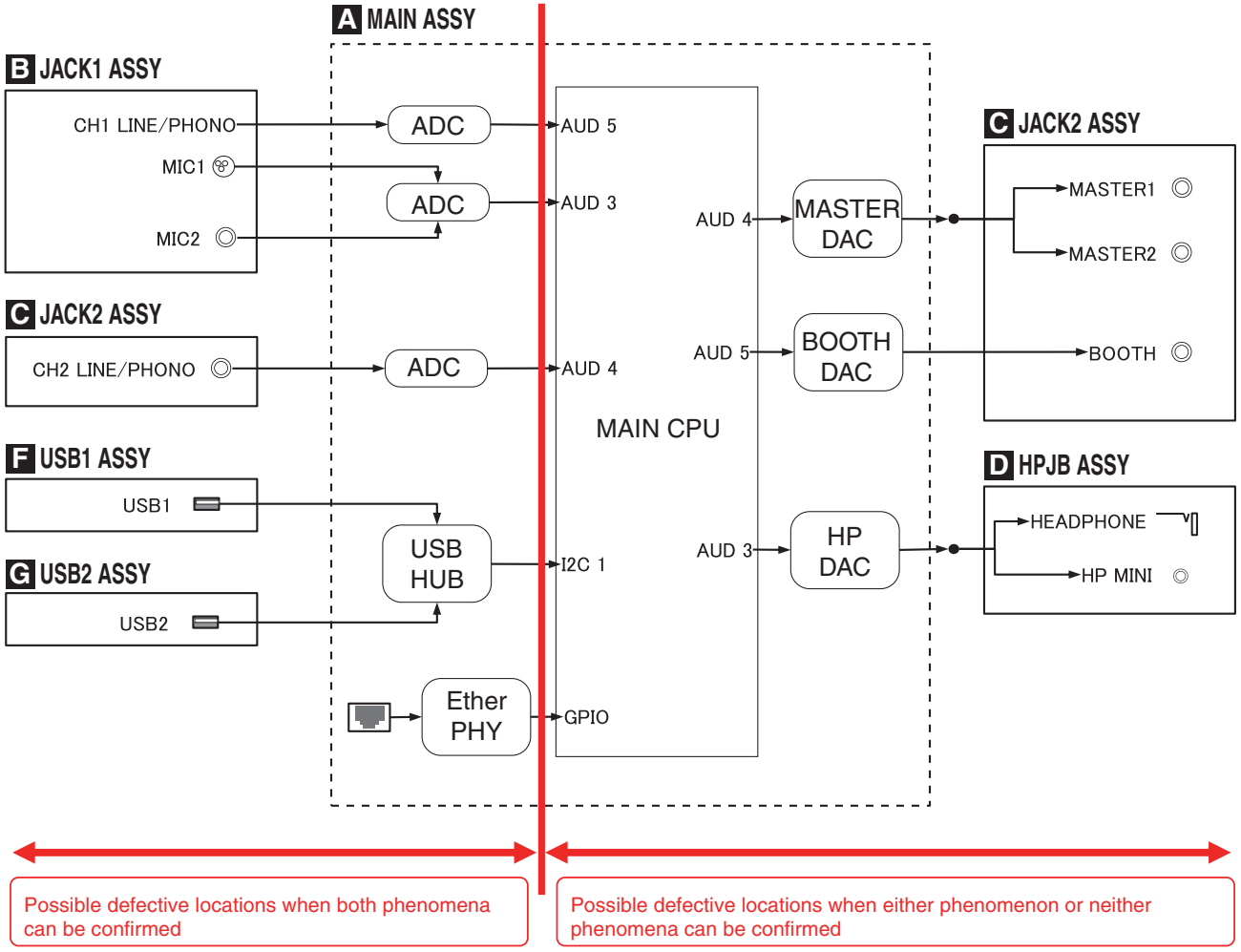
5.3 SIMPLIFIED DIAGNOSTIC PROCEDURE FOR AUDIO SIGNAL

With the NOISE effect function provided with this unit, white noise generated by the main CPU is filtered then mixed with the audio signal of the assigned channel before being output.
With this function, simplified diagnostics for the audio signal blocks are possible.
Check the following:
· White noise is audible when the NOISE effect button is set to ON or OFF.
· White noise changes in response to changes in the cutoff frequency, volume, or sound quality of the NOISE effects.

If both phenomena can be confirmed, the block prior to the main CPU can be deemed being in failure.
If either phenomenon or neither phenomena can be confirmed, the main CPU, its periphery, or blocks subsequent to the main CPU can be deemed being in failure.

The operating procedure for the NOISE effect is indicated below.
① Press the [SOUND COLOR FX NOISE] button. (The NOISE effect is set for both CH1 and CH2.)
② Adjust the volume with the [TRIM] control of the channel you wish to check, the sound quality with the [EQ/ISO (HI, MID, LOW)] controls, or the cutoff frequency for the filter through which white noise is to be filtered with the [COLOR] control.
(For details, refer to "Using the sound color FX function" in the operating instructions.)

This diagnostic method is applicable to other DJ products equipped with the NOISE effect generator.



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5.4 VOLTAGE MONITORING CIRCUIT

Voltage-Monitoring Circuit

This unit monitors the voltages of the main power-supply ICs, using the F_DET (FAULT_DET) signal.
The F_DET signal level is high (+3.3 V) during normal operations. When the level becomes low (0 V), detect abnormality in the EUP UCOM (IC3601).

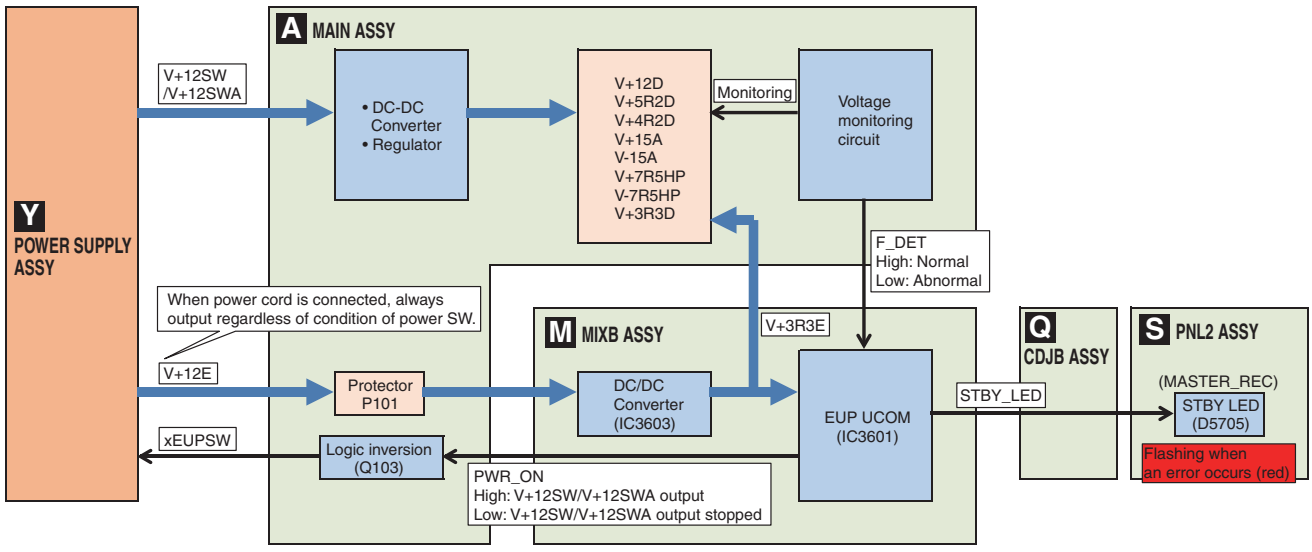
Product behavior when an error is generated

If power failure is detected with the F_DET signal (F-DET signal consists with the interval Low levels more than 50 ms), the EUP UCOM will stop supplying the V+12SW (V+12D)/V+12SWA (V+12A) power from POWER SUPPLY Assy, setting the PWR_ON signal to low.
The EUP UCOM also informs of power failure with flashing of the MASTER_REC (redLED) button, by sending the STBY_LED signal:
As the V+12SW/V+12SWA power is stopped, the indications other than the MASTER_REC are unlit and all the switches and VRs are disabled. When you let you return from a power supply abnormality detection state, perform drawing and inserting of the power cord.

Diagnostic procedure

Note: Each time before turning the unit ON, make sure that each power-supply IC is not short-circuited to GND.
If any voltage is abnormal, that error will be detected by the voltage-monitoring program after it is started after a usual startup of the unit. Then the V+12SW power from POWER SUPPLY Assy will be stopped.
Identify which power-supply IC is defective, by duplicate drawing and inserting of the power cord while monitoring each voltage with an oscilloscope. Check the value of each voltage immediately before stopping power supply.

Voltage-Monitoring Circuit Block diagram



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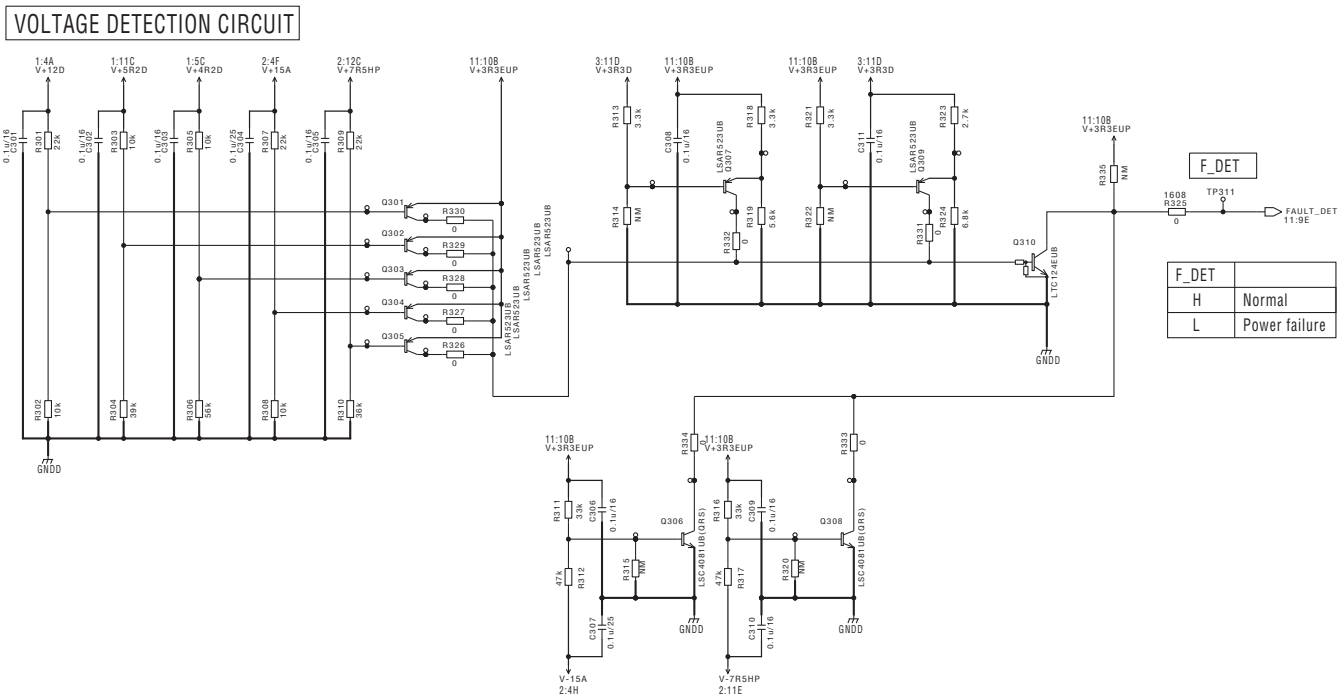
Voltage-Monitoring Circuit diagram



Voltage value of the voltage-monitoring section

Power	Over voltage / Under voltage	Threshold	
		Detection range in consideration of variations	Center value
V+12D	–	7.82 V to 10.02 V	8.84 V
V+5R2D	–	3.22 V to 3.74 V	3.47 V
V+4R2D	–	3.04 V to 3.49 V	3.26 V
V+15A	–	7.82 V to 10.02 V	8.84 V
V-15A	+	-4.12 V to -2.76 V	-3.38 V
V+7R5HP	-	4.06 V to 4.89 V	4.45 V
V-7R5HP	+	-4.12 V to -2.76 V	-3.38 V
V+3R3D	-	1.34 V to 1.74 V	1.53 V
V+3R3EUP	+	3.80 V to 4.82 V	4.30 V

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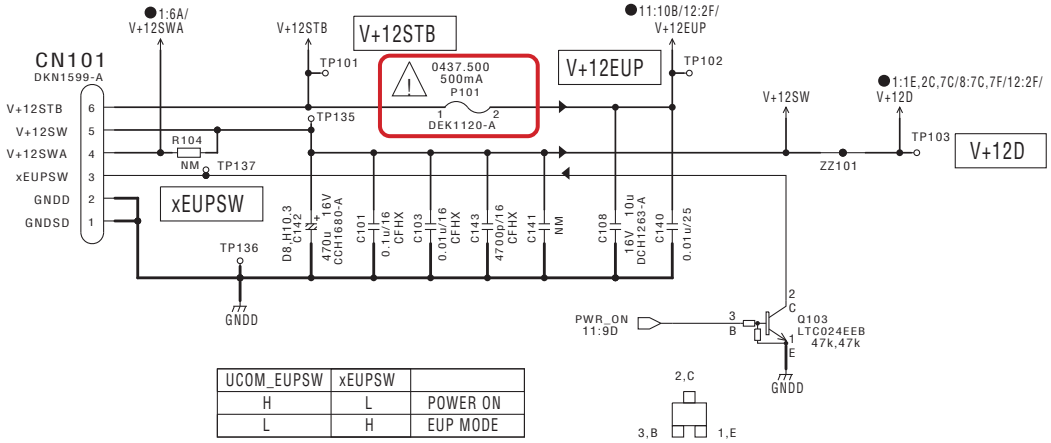
5.5 ABOUT PROTECTOR

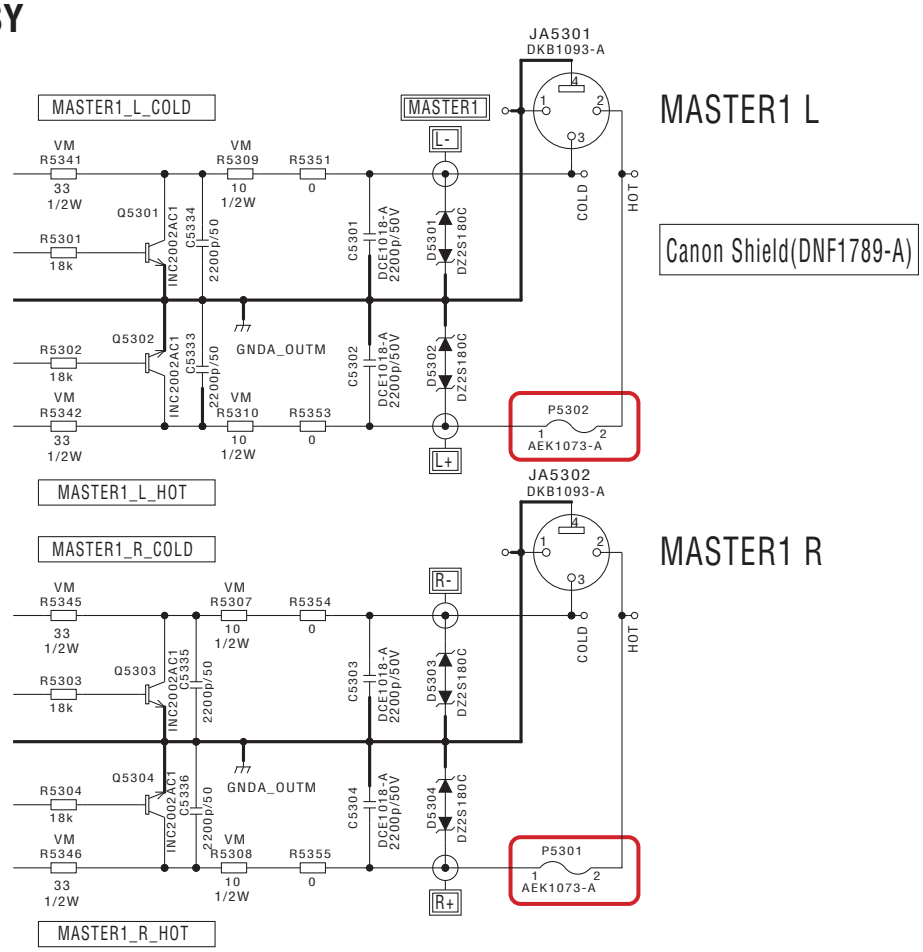
This unit uses ICPs (IC protectors) in V+12EUP input circuit and MASTER1 output circuit.
V+12EUP input circuit: P101 (MAIN Assy)
MASTER1output circuit: P5301, P5302 (JACK2 Assy)

If V+12EUP signal is not output normally, if the specified signal from theMASTER 1 connectors is not properly output, check if any ICP is activated.

A MAIN ASSY



C JACK2 ASSY



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5.6 METHOD FOR CONNECTION CONFIRMATION OF THE LAN (LINK) PORT

For confirmation of connection and operation of the LAN (LINK) port of this unit, follow the procedure indicated below.

1. Install rekordbox (Mac/Windows) on the PC.
2. Import tracks to rekordbox.
3. Directly connect a PC to this unit, via a LAN cable (CAT5e).
4. After a link between the PC and this unit is established, load a track from the PC, by operating this unit.
5. Output the audio.

Installation of rekordbox on a PC

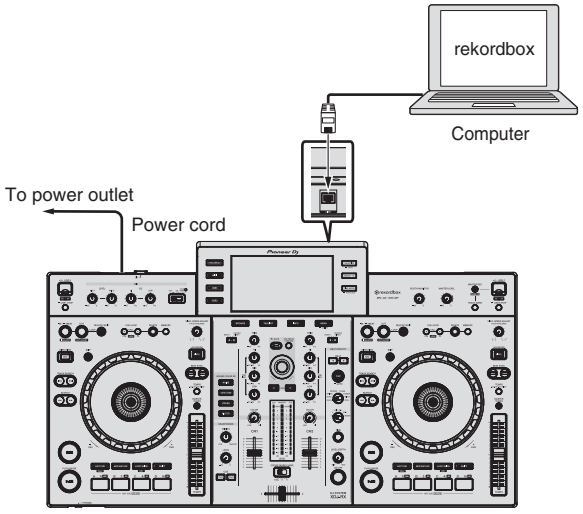
① Access the Web site for rekordbox (http://rekordbox.com/), click on [Download] to display the download page, then download rekordbox.
② Double-click on the downloaded installer file (.zip) to unzip it then double-click on the unzipped installer file (.exe) to start installation. Follow the instructions displayed on the screen to complete installation.

Note that the versions of rekordbox supporting the XDJ-RX are Ver. 3.2.0 and later.
If you will be using rekordbox for the first time, registration of a user account for rekordbox is required. For registration, follow the guide displayed after startup of rekordbox.

Importing tracks to rekordbox

① Start rekordbox then click on “Collection.”
② Select [File] menu, [Import], [Import Track], then select (a) music file(s) you wish to import.
③ Select the folder in which (a) music file(s) you wish to import is(are) saved, select the filename(s), then click on Open.
The music file(s) will be added to the collection, and the tag information of the music file(s) will be read and displayed.
When an analysis of waveform data of the music file(s) starts, an "analysis in progress" symbol will be displayed at the left of the filename of the music file being analyzed then disappear after the analysis is completed.
(If analysis of waveform data of the music file[s] does not start, the setting may have this function disabled. Select [Track], [Auto Analysis], then [On].)

Connection of a PC



Loading a Track on a Deck of This Unit from the PC

① Press the [rekordbox] button.
② Start up rekordbox on the PC then establish a link between the PC and this unit, by clicking on the "LINK" icon.
③ After the rekordbox library of the PC is displayed on the display of this unit, select a track you wish to load, by turning the rotary selector, then press the [LOAD] button of the deck into which you wish to load the selected track.

Outputting Audio

Example: Outputting audio channel 1 (CH 1)

① Set the DECK 1/PHONO 1/LINE 1 switch of CH 1 to DECK 1.
② Adjust the level of the audio being input to CH 1, by turning the TRIM control for CH 1 clockwise.
③ Adjust the level of the audio to be output from CH 1, by sliding the CH 1 channel fader away from you.
④ Output the CH 1 audio, by sliding the cross fader to its leftmost position.
⑤ Turn the MASTER LEVEL control clockwise to output the audio from the speaker.

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5.7 IC INFORMATION

R5F364AENFA-U0-K (MIXB ASSY: IC3601)

EUP UCOM

• Pin Function

No.	Pin Name	Net Name	I/O	Function	No.	Pin Name	Net Name	I/O	Function
1	P9_6	STBY_LED	O	Direct LED output	51	P4_3	LED_RCK	O	LED segment signal generation
2	P9_5	USB_REC	I	Direct key input	52	P4_2	GRID_SI	O	Grid signal generation
3	TB4IN/PWM1	JOG1_ENC0	I	JOG rotate detection	53	P4_1	GRID_SCK	O	Grid signal generation
4	TB3IN/PWM0	JOG2_ENC0	I	JOG rotate detection	54	P4_0	CDJ1_KEY3	I	Key segment
5	P9_2	-	-	-	55	P3_7	CDJ1_KEY0	I	Key segment
6	TB1IN/PMC1	JOG1_ENC0	I	JOG rotate detection	56	P3_6	CDJ1_KEY1	I	Key segment
7	TB0IN	JOG2_ENC0	I	JOG rotate detection	57	P3_5	CDJ1_KEY2	I	Key segment
8	BYTE	GNDD	I	BYTE	58	P3_4	BROWS0	I	Encoder input
9	CNVSS	CNVSS	I	CNVSS	59	P3_3	BROWS1	I	Encoder input
10	P8_7	AUDIO_MUTE	O	MUTE signal	60	P3_2	AD_SEL0	O	Analog SW select
11	P8_6	PWR_ON	O	Between MAIN communication	61	P3_1	AD_SEL1	O	Analog SW select
12	RESET#	SUB_RESET	I	RESET#	62	VCC2	V+3R3D	I	VCC2
13	XOUT	XOUT	O	XOUT	63	P3_0	-	-	-
14	VSS	GNDD	I	VSS	64	VSS	GNDD	I	VSS
15	XIN	XIN	I	XIN	65	AN2_7	FLTR1_AD	I	Direct AD input
16	VCC1	V+3R3E	I	VCC1	66	AN2_6	CDJ1_AD1	I	Analog SW output
17	NMI#	-	I	NMI#. Open drain output	67	AN2_5	CDJ1_AD0	I	Analog SW output
18	INT2#	PWR_SW	I	Power SW input	68	AN2_4	MXR_AD0	I	Analog SW output
19	INT1#	EUP_CONT	I	Wait for updating	69	AN2_3	MXR_AD1	I	Analog SW output
20	INT0#	EUP_REQ	O	Request for updating	70	AN2_2	MXR_AD2	I	Analog SW output
21	TA4IN/U#	JOG1_ENC0	I	JOG rotate detection	71	AN2_1	MXR_AD3	I	Analog SW output
22	TA4OUT/U	JOG1_ENC1	I	JOG rotate detection	72	AN2_0	FLTR2_AD	I	Direct AD input
23	TA3IN	JOG2_ENC0	I	JOG rotate detection	73	P1_7	MXR_KEY2	I	Key segment
24	TA3OUT	JOG2_ENC1	I	JOG rotate detection	74	P1_6	MXR_KEY1	I	Key segment
25	P7_5	EUP_RDY	O	Notify MAIN of startup	75	P1_5	MXR_KEY0	I	Key segment
26	P7_4	EUP_WRITE	O	Notify MAIN-UCOM of update	76	P1_4	TAP	I	Direct key input
27	P7_3	FAULT_DET	I	Between MAIN communication	77	TXD6/SDA6	JOG2_LED_SI	O	JOG2 LED control
28	P7_2	QUANTIZE	I	Direct key input	78	P1_2	CDJ2_CUE	I	Direct key input
29	P7_1	-	-	Open drain output	79	CLK6	JOG2_LED_SCK	O	JOG2 LED control
30	P7_0	-	-	Open drain output	80	P1_0	JOG2_TCH	I	JOG touch detection
31	TXD1/SDA1	JOG1_LED_SI	O	JOG1 LED control	81	P0_7	BEATS0	I	Encoder input
32	P6_6	JOG_LED_RCK	O	JOG LED control	82	P0_6	BEATS1	I	Encoder input
33	CLK1	JOG1_LED_SCK	O	JOG1 LED control	83	P0_5	CDJ2_PAD1	I	Direct key input
34	P6_4	JOG_LED_xG	O	JOG LED control	84	P0_4	CDJ2_PAD2	I	Direct key input
35	TXD0/SDA0	EUP_MISO	O	Between MAIN communication	85	P0_3	CDJ2_PAD3	I	Direct key input
36	RXD0/SCL0	EUP_MOSI	I	Between MAIN communication	86	P0_2	CDJ2_KEY3	I	Key segment
37	CLK0	EUP_SCLK	I	Between MAIN communication	87	P0_1	CDJ2_KEY0	I	Key segment
38	CTS0#/RTS0#	EUP_SS2	I	Chip select	88	P0_0	CDJ2_KEY1	I	Key segment
39	P5_7	CDJ1_PAD0	I	Direct key input	89	P10_7	CDJ2_KEY2	I	Key segment
40	P5_6	CDJ1_PLAY	I	Direct key input	90	P10_6	CDJ2_PAD0	I	Direct key input
41	P5_5	CDJ1_CUE	I	Direct key input	91	P10_5	CDJ2_PLAY	I	Direct key input
42	P5_4	-	-	-	92	P10_4	CDJ2_AD1	I	Analog SW output
43	P5_3	JOG1_TCH	I	JOG touch detection	93	P10_3	CDJ2_AD0	I	Analog SW output
44	P5_2	CDJ1_PAD1	I	Direct key input	94	P10_2	CRFD_AD	I	Direct AD input
45	P5_1	CDJ1_PAD2	I	Direct key input	95	P10_1	CHFD2_AD	I	Direct AD input
46	P5_0	CDJ1_PAD3	I	Direct key input	96	AVSS	GNDD	I	AVSS
47	TXD7/SDA7	LED_SI	O	LED segment signal generation	97	P10_0	CHFD1_AD	I	Direct AD input
48	P4_6	-	-	-	98	VREF	V+3R3E	I	VREF
49	CLK7	LED_SCK	O	LED segment signal generation	99	AVCC	V+3R3E	I	AVCC
50	P4_4	LED_xG	O	LED segment signal generation	100	P9_7	FX_ON/OFF	I	Direct key input

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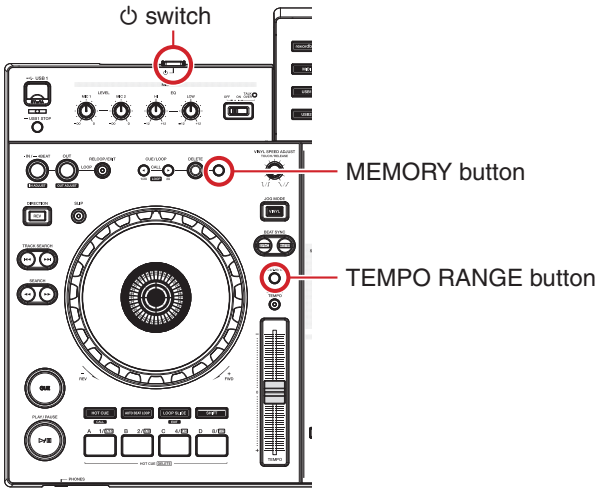
6. SERVICE MODE
6.1 TEST MODE

Description of Test Modes

The Following seven test modes are provided for this unit:
① Mode 1 : Confirmation of the versions, destination (language), MAC address, and JOG UCOMs
② Mode 2 : All LEDs and LCDs unlit
③ Mode 3 : All LEDs and LCDs lit
④ Mode 4 : LCD patterns
⑤ Mode 5 : Confirmation of individual keys and LEDs
⑥ Mode 6 : Confirmation of individual switches
⑦ Mode 7 : Confirmation of the values of the rotary variable controls and sliders
⑧ Mode 8 : Rotary selector

How to Enter Test Mode (Other than Entering WLAN TEST Mode)

While holding the DECK 1 MEMORY and DECK 1 TEMPO RANGE buttons pressed, press the ⏻ switch to turn the unit on.
(Be sure to hold the ⏻ switch pressed until the unit starts up.)
Start up the unit in Mode 1 of Test mode.



How to Change Test Modes

To change Test modes, turn the Rotary selector clockwise or counterclockwise.
To shift from Mode 8 to Mode 1 or from Mode 1 to Mode 8, press the Rotary selector.
Then, Test modes can be changed again with a turn of the Rotary selector.

Mode 1 ↔ Mode 2 ↔ Mode 3 ↔ Mode 4 ↔ Mode 5 ↔ Mode 6 ↔ Mode 7 ↔ Mode 8

Test mode Contents

① Mode 1: Confirmation of the versions, destination (language), MAC address, and JOG UCOMs

If the JOG UCOM is in failure, an error message will be displayed; if it is OK, no message will be displayed.
The example screen below indicates that the JOG UCOM on DECK 1 is in failure and that on DECK 2 is OK.
If either of the JOG UCOMs is in failure, no operation can be performed.
To operate the unit, press the BEAT EFFECT ON/OFF button.

```
VERSION INFORMATION
    SYSTEM          Ver.1.00
    SUB             Ver.1.00
    APL             Rev.2000
    KERNEL          Rev.2001

    LANGUAGE        ENGLISH
    MAC_ADDR        00:00:00:00:00:00

【C H 1】JOG uCom ERROR!!
```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② Mode 2: All LEDs and LCDs unlit

After this mode is entered, then all indications on the LCDs will disappear and the LEDs will go dark or dim.

③ Mode 3: All LEDs and LCDs lit

④ Mode 4: LCD patterns

Each time the rotary selector is pressed, the LCD patterns change from color, black, then white, in that order.
When the BACK button is pressed, the screen returns to that shown below.

⑤ Mode 5: Confirmation of individual keys and LEDs

- When this mode is entered, when a key is pressed, thecorresponding LED will light.
  For details on correspondence between the keys and LEDs, see "Table of keys and corresponding LEDs to be lit in the mode for confirmation of individual keys."

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Table of keys and corresponding LEDs to be lit in the mode for confirmation of individual keys

Operating buttons	LED Name	Operation in the OFF state	Operating buttons	LED Name	Operation in the OFF state
►/II (PLAY/PAUSE) 1	PLAY1/PAUSE1	Unlit	MEMORY 2	SHIFT2	Lit dimly
CUE 1	CUE1	Unlit	BEAT SYNC SYNC 2	BEAT SYNC SYNC2	Lit dimly
TRACK SEARCH ►►I 1	PAD1 B	Lit dimly	BEAT SYNC MASTER 2	BEAT SYNC MASTER2	Lit dimly
TRACK SEARCH I◄◄ 1	PAD1 A	Lit dimly	JOG MODE VINYL 2	JOG MODE2 (VINYL)	Unlit
SEARCH ►► 1	PAD1 C	Lit dimly	JOG (TOUCH) 2	JOG2	Unlit
SEARCH ◄◄ 1	PAD1 D	Lit dimly	JOG ROTATE FWD 2	LOOP OUT2	Unlit
DIRECTION REV 1	DIRECTION1 REV	Unlit	JOG ROTATE REV 2	LOOP IN2	Unlit
SLIP 1	SLIP1	Unlit	TEMPO RANGE 2	BEAT SYNC MASTER2	Lit dimly
LOOP IN/4BEAT (IN ADJUST) 1	LOOP IN1	Unlit	MASTER TEMPO 2	MASTER TEMPO2	Unlit
LOOP OUT (OUT ADJUST) 1	LOOP OUT1	Unlit	MODE (HOT CUE/CALL) 2	HOT CUE2	Lit dimly
RELOOP/EXIT 1	RELOOP1	Unlit	MODE (AUTO BEAT LOOP) 2	AUTO BEAT LOOP2	Lit dimly
CUE/LOOP CALL ► 1	HOT CUE1	Lit dimly	MODE (LOOP SLICE) 2	LOOP SLICE2	Lit dimly
CUE/LOOP CALL ◄ 1	AUTO BEAT LOOP1	Lit dimly	SHIFT 2	SHIFT2	Lit dimly
DELETE 1	LOOP SLICE1	Lit dimly	Performance A 2	PAD2 A	Lit dimly
MEMORY 1	SHIFT1	Lit dimly	Performance B 2	PAD2 B	Lit dimly
BEAT SYNC SYNC 1	BEAT SYNC SYNC1	Lit dimly	Performance C 2	PAD2 C	Lit dimly
BEAT SYNC MASTER 1	BEAT SYNC MASTER1	Lit dimly	Performance D 2	PAD2 D	Lit dimly
JOG MODE VINYL 1	JOG MODE1 (VINYL)	Unlit	USB STOP 2	USB2 STOP	Unlit
JOG (TOUCH) 1	JOG1	Unlit	MASTER REC (WAKE UP)	MASTER REC	Unlit
JOG ROTATE FWD 1	LOOP OUT1	Unlit	TRACK MARK	MASTER REC	Unlit
JOG ROTATE REV 1	LOOP IN1	Unlit	rekordbox	REKORDBOX	Lit dimly
TEMPO RANGE 1	BEAT SYNC MASTER1	Unlit	MIDI	MIDI	Lit dimly
MASTER TEMPO 1	MASTER TEMPO1	Unlit	USB1	USB1	Lit dimly
MODE (HOT CUE/CALL) 1	HOT CUE1	Unlit	USB2	USB2	Lit dimly
MODE (AUTO BEAT LOOP) 1	AUTO BEAT LOOP1	Unlit	BROWSE	BROWSE	Lit dimly
MODE (LOOP SLICE) 1	LOOP SLICE1	Unlit	TAGLIST	TAGLIST	Lit dimly
SHIFT 1	SHIFT1	Lit dimly	INFO	INFO	Lit dimly
Performance A 1	PAD1 A	Lit dimly	MENU (UTILITY)	MENU	Lit dimly
Performance B 1	PAD1 B	Lit dimly	QUANTIZE (DECK)	rekordbox	Lit dimly
Performance C 1	PAD1 C	Lit dimly	DECK1/2	MIDI	Lit dimly
Performance D 1	PAD1 D	Lit dimly	TIME MODE (AUTO CUE)	USB1	Lit dimly
USB STOP 1	USB1 STOP	Unlit	Rotary selector	TAP	Unlit
►/II (PLAY/PAUSE) 2	PLAY2/PAUSE2	Unlit	BACK	BROWSE	Unlit
CUE 2	CUE2	Unlit	TAG TRACK/REMOVE	TAGLIST	Unlit
TRACK SEARCH ►►I 2	PAD2 B	Lit dimly	LOAD1	LOAD1	Unlit
TRACK SEARCH I◄◄ 2	PAD2 A	Lit dimly	LOAD2	LOAD2	Unlit
SEARCH ►► 2	PAD2 D	Lit dimly	SOUND COLOR FX (NOISE)	CFX NOISE	Unlit
SEARCH ◄◄ 1	PAD2 C	Lit dimly	SOUND COLOR FX (GATE/COMP)	CFX GATE/COMP	Unlit
DIRECTION REV 2	DIRECTION2 REV	Unlit	SOUND COLOR FX (CRUSH)	CFX CRUSH	Unlit
SLIP 2	SLIP2	Unlit	SOUND COLOR FX (FILTER)	CFX FILTER	Unlit
LOOP IN/4BEAT (IN ADJUST) 2	LOOP IN2	Unlit	CUE CH1	CUE CH1	Lit dimly
LOOP OUT (OUT ADJUST) 2	LOOP OUT2	Unlit	CUE CH2	CUE CH2	Lit dimly
RELOOP/EXIT 2	RELOOP2	Unlit	BEAT EFFECTS ON/OFF	BFX ON/OFF	Unlit
CUE/LOOP CALL ► 2	HOT CUE2	Lit dimly	BEAT ►	MENU	Unlit
CUE/LOOP CALL ◄ 2	AUTO BEAT LOOP2	Lit dimly	BEAT ◄	INFO	Unlit
DELETE 2	LOOP SLICE2	Lit dimly	TAP (AUTO)	TAP	Unlit

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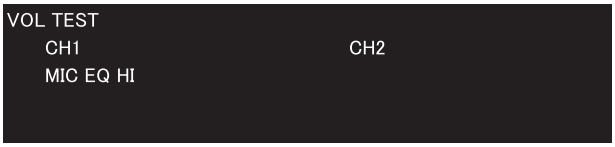
⑥ Mode 6: Confirmation of individual switches

When this mode is entered, "SW TEST" is displayed. The set position of each switch is indicated on the LCD.

Operation switch		LCD indication	Remarks
DECK1, PHONO1/LINE1 selector (LEFT)	DECK1	DECK1	
	PHONO1/LINE1	EXT1	
LINE1, PHONO1 selector (LEFT)	PHONO1	PHONO1	
	LINE1	LINE1	
DECK2, PHONO2/LINE2 selector (RIGHT)	DECK2	DECK2	
	PHONO2/LINE2	EXT2	
LINE2, PHONO2 selector (RIGHT)	PHONO2	PHONO2	
	LINE2	LINE2	
CROSS F. CURVE	THRU	LEFT	
	⅄	CENTER	
	⅄	RIGHT	
MIC (OFF, ON, TALK OVER) selector	OFF	OFF	
	ON	ON	
	TALKOVER	TALKOVER	

⑦ Mode 7: Confirmation of the values of the rotary variable controls and sliders

The value for each VR or slider that is operated will be indicated.



- The CH 1 channel level indicator will move up or down in response to upward or downward movement of Channel Fader 1.
- The CH 2 channel level indicator will move up or down in response to upward or downward movement of Channel Fader 2.
- The master level indicator will move up or down in response to leftward or rightward movement of the crossfader.

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Operation volume	LCD indication	Remarks
CH1 TRIM	CH1 TRIM XXX	XXX stands for 000–3FF in hexadecimal notation.
CH1 HIGH	CH1 HIGH XXX	XXX stands for 000–3FF in hexadecimal notation.
CH1 MID	CH1 MID XXX	XXX stands for 000–3FF in hexadecimal notation.
CH1 LOW	CH1 LOW XXX	XXX stands for 000–3FF in hexadecimal notation.
CH1 COLOR	CH1 COLOR XXX	XXX stands for 000–3FF in hexadecimal notation.
CH1 Channel fader	CH1 FADER XXX	XXX stands for 000–3FF in hexadecimal notation.
CH1 TEMPO	CH1 TEMPO XXX	XXX stands for 000–3FF in hexadecimal notation.
CH1 VINYL SPEED ADJUST TOUCH/RELEASE	CH1 TOUCH/RELEASE XXX	XXX stands for 000–3FF in hexadecimal notation.
CH2 TRIM	CH2 TRIM XXX	XXX stands for 000–3FF in hexadecimal notation.
CH2 HIGH	CH2 HIGH XXX	XXX stands for 000–3FF in hexadecimal notation.
CH2 MID	CH2 MID XXX	XXX stands for 000–3FF in hexadecimal notation.
CH2 LOW	CH2 LOW XXX	XXX stands for 000–3FF in hexadecimal notation.
CH2 COLOR	CH2 COLOR XXX	XXX stands for 000–3FF in hexadecimal notation.
CH2 Channel fader	CH2 FADER XXX	XXX stands for 000–3FF in hexadecimal notation.
CH2 TEMPO	CH2 TEMPO XXX	XXX stands for 000–3FF in hexadecimal notation.
CH2 VINYL SPEED ADJUST TOUCH/RELEASE	CH2 TOUCH/RELEASE XXX	XXX stands for 000–3FF in hexadecimal notation.
MIC EQ HI	MIC EQ HI XXX	The value is displayed in the 2nd row of the left column of the LCD. XXX stands for 000–3FF in hexadecimal notation.
MIC EQ LOW	MIC EQ LOW XXX	The value is displayed in the 2nd row of the left column of the LCD. XXX stands for 000–3FF in hexadecimal notation.
HEADPHONES MIXING	HP MIXING XXX	The value is displayed in the 2nd row of the left column of the LCD. XXX stands for 000–3FF in hexadecimal notation.
HEADPHONES LEVEL	HP LEVEL XXX	The value is displayed in the 2nd row of the left column of the LCD. XXX stands for 000–3FF in hexadecimal notation.
Crossfader	CROSS FADER XXX	The value is displayed in the 2nd row of the left column of the LCD. XXX stands for 000–3FF in hexadecimal notation.
LEVEL/DEPTH	LEVEL/DEPTH XXX	The value is displayed in the 2nd row of the left column of the LCD. XXX stands for 000–3FF in hexadecimal notation.
BOOTH MONITOR	BOOTH LEVEL XXX	The value is displayed in the 2nd row of the left column of the LCD. XXX stands for 000–3FF in hexadecimal notation.
MASTER LEVEL	MASTER LEVEL XXX	The value is displayed in the 2nd row of the left column of the LCD. XXX stands for 000–3FF in hexadecimal notation.

⑧ Mode 8: Rotary selector

- The value will increase if a rotary selector is turned clockwise and decrease if it is turned counterclockwise.
- If the value reaches FF while a rotary selector is turned clockwise and it is then further turned, the value will return to 00 then continue to increase. If the value reaches 00 while a rotary selector is turned counterclockwise and it is then further turned, the value will return to FF then continue to decrease.
- To shift from Mode 7 to Mode 1 or from Mode 1 to Mode 7, press the DECK 1 Rotary selector.

Operation rotary selector	LCD indication	Remarks
Rotary selector	SELECTOR XX	XX stands for 00–FF in hexadecimal notation.
TIME	TIME XX	XX stands for 00–FF in hexadecimal notation.

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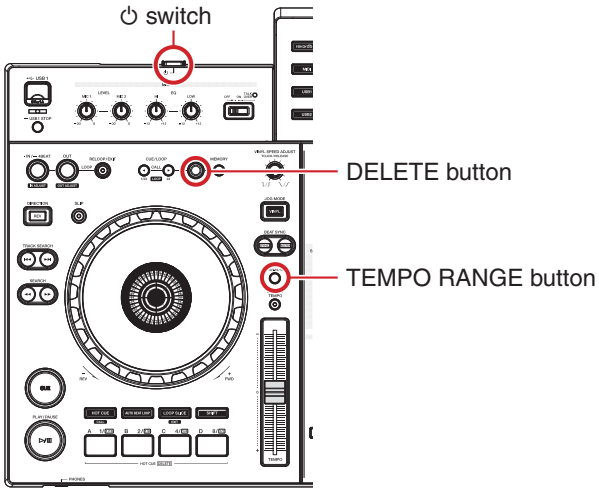
How to Reset to the Factory Default Settings

While holding the DECK 1 DELETE and DECK1 TEMPO RANGE buttons pressed, press the ⏻ switch to turn on the unit.
(Be sure to hold the @ switch pressed until the unit starts up.)



* The language setting will not be reset.

■ Parameters to be initialized by Factory Reset (the parameters the values of which immediately before the unit is turned off are to be stored in memory)

AUTO CUE : OFF
Vinyl MODE : OFF
TIME MODE : REMAIN
QUANTIZE : ON
TEMPO RANGE : ±10%
MASTER TEMPO : OFF
HOT CUE/AUTO BEAT LOOP/LOOP SPLIT MODE : HOT CUE

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6.2 ABOUT THE DEVICE

Device Name	Function	Part No.	Reference No.	Assy
I.MX6 /Application processor	Main CPU. Display control, USB host/Device control, LAN communication control, Device microcomputer control, Audio processing, Device/LED control.	MCIMX6U6AVM08AC	IC1001	MAIN Assy
DDR3 (1Gbit x2)	Main memory for I.MX6.	K4B1G1646G-BCK0	IC1201, IC1301	MAIN Assy
NAND Flash (2Gbit)	Main program for I.MX, For storage of each setting value.	DYW1864 (NSP) (first release)	IC1501	MAIN Assy
PMIC	Power supply generation, Power supply management IC for I.MX. Power supply generation for digital and startup sequence management.	MMPF0100F0AEP	IC602	MAIN Assy
LAN PHY	Transceiver IC to connect a connector to USB HOST controller	LAN8720A-CP	IC1401	MAIN Assy
USB HUB	2 port USB HUB IC. Divide a USB signal into two of USB A for Deck 1 and Deck2 from I.MX6.	USB2512B-AEZG-TR	IC1801	MAIN Assy
AUDIO DAC	IC whitch converts I2S format into an audio output signal. (for Master out)	AK4382AVT	IC7001	MAIN Assy
	IC whitch converts I2S format into an audio output signal. (for Booth out, Phones out)	AK4387ET	IC7201, IC7701	MAIN Assy
AUDIO ADC	IC whitch converts audio input signal into I2S format. (for INPUT 1/2 input, MIC 1/2 input)	AK5358AET	IC7405, IC7406, IC7602	MAIN Assy
7inch TFT LCD	7 inches liquid crystal modules (backlight built-in)	CWX4352	Connect to CN8801 and CN8701 on EXTB Assy.	
LCD Backlight IC	Backright control IC.	BD81A04EFV-M	IC8701	EXTB Assy
LVDS Reciever IC	Convert LVDS signal for liquid crystal from I.MX6 into RGB signal.	BU90R104	IC8401	EXTB Assy
PIC UCOM	JOG touch detection IC. After having detected a touch signal, notify a submicrocomputer.	PIC10F206-I/OT	IC9601, IC9801	JOGT1/2 Assy
High-side SW IC	USB current control IC. Limit the supply electric current to USB A terminal to 1.0 A.	TPS2557DRB	IC8102, IC8302	USBP1/USBP2 Assy
EUP UCOM	Submicrocomputer. Standby control, Device control, LED control.	DYW1857	IC3601	MIXB Assy

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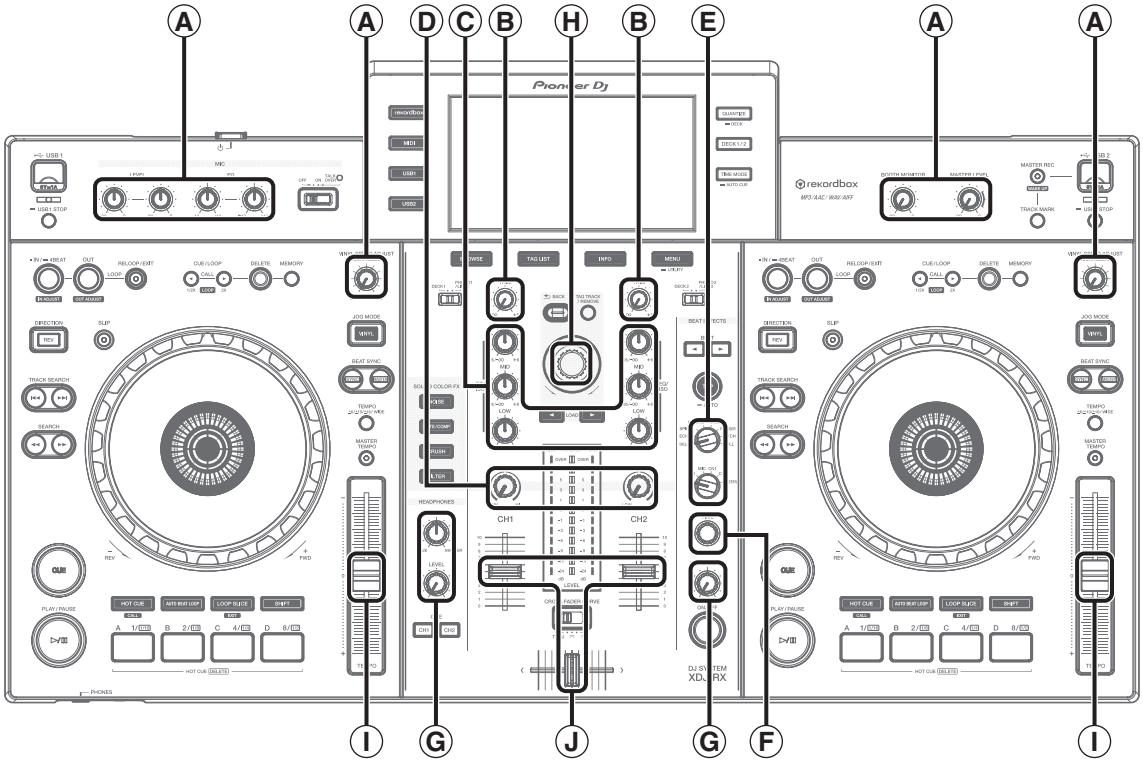
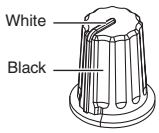
7. DISASSEMBLY

Note:
Even if the unit shown in the photos and illustrations in this manual may differ from your product, the procedures described here are common.

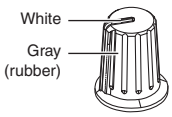
Knobs and Volumes Location



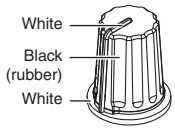
A DAA1284 ×8



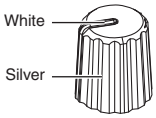
B DAA1204 ×2



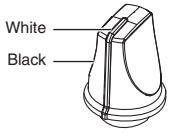
C DAA1305 ×6



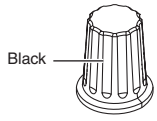
D DAA1320 ×2



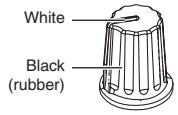
E DAA1213 ×2



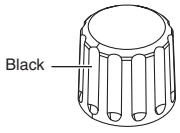
F DAA1180 ×1



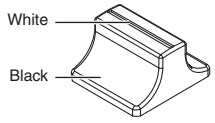
G DAA1220 ×3



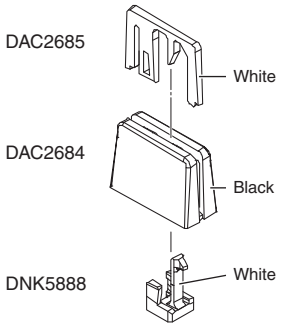
H DAA1342 ×1



I DNK5981 ×2



J DAC2684 ×3 + DAC2685 ×3 + DNK5888 ×3



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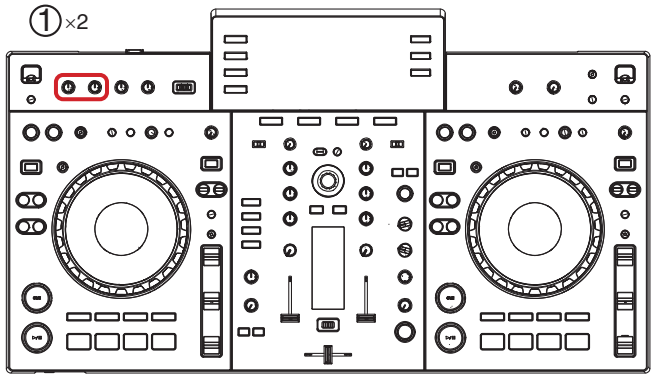
Disassembly

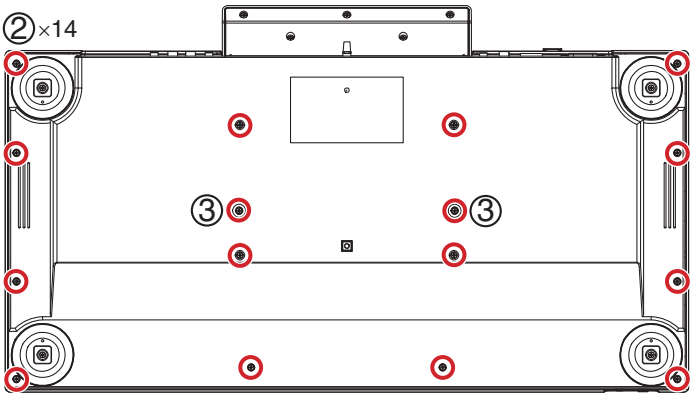
[1] Bottom Section

[1-1] Control panel Section

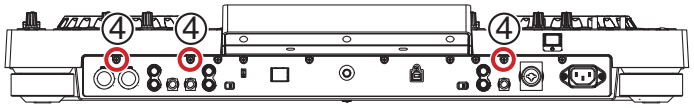
(1) Remove the 2 knobs.



(2) Remove the 14 screws.
(BPZ30P100FTB)
(3) Remove the 2 screws.
(BBZ30P060FTB)
(4) Remove the 3 screws.
(BBZ30P060FTB)

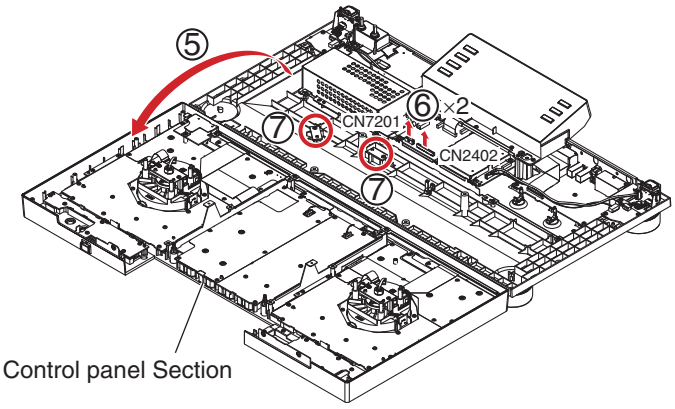


• Bottom view



• Rear view

(5) Remove the control panel Section.
(6) Disconnect the 1 flexible cable and 1 connectors.
(CN2402, 7201)
(7) Release the 2 jumper wire stylings.



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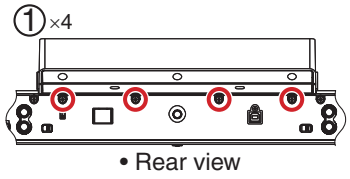
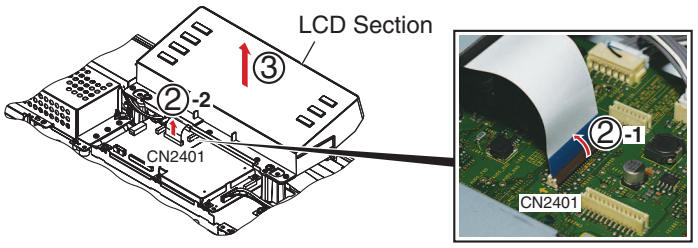
[1-2] LCD Section

(1) Remove the 4 screws.
(BBZ30P060FTB)

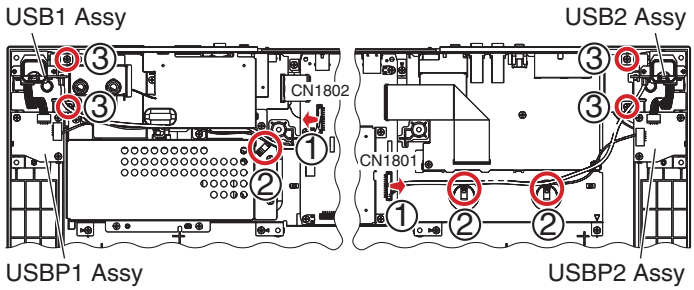


(2) Disconnect the 1 flexible cable.
(CN2401)
(3) Remove the LCD Section.



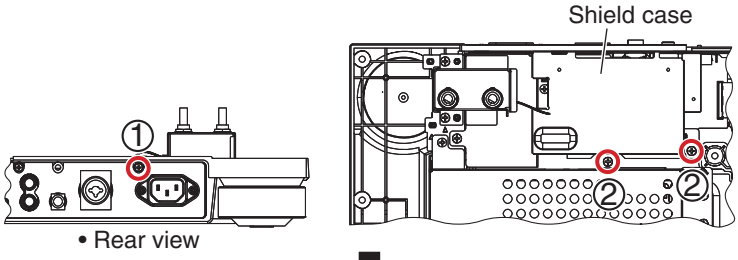
[1-3] USB Assy Section

(1) Disconnect the 2 connectors.
(CN1801, 1802)
(2) Release the 3 jumper wire stylings.
(3) Remove the 2 stay with PC board, by removing the 4 screws.
(BPZ30P080FNI)

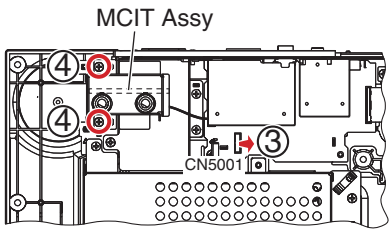


[1-4] MICT Assy

(1) Remove the 1 screw.
(BBZ30P060FTB)
(2) Remove the shield case by removing the 2 screws.
(BBZ30P060FTC)



(3) Disconnect the 1 connector.
(CN5001)
(4) Remove the stay with PC board by removing the 2 screws.
(BPZ30P080FNI)



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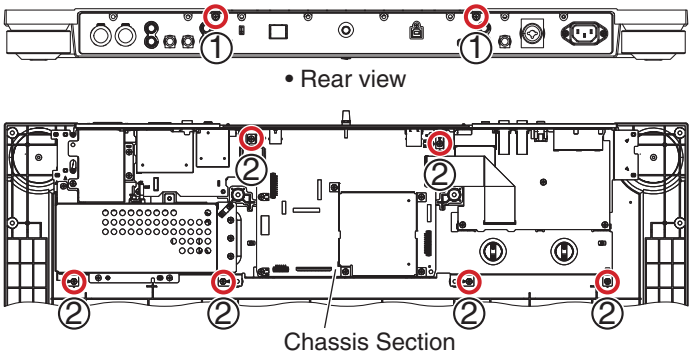
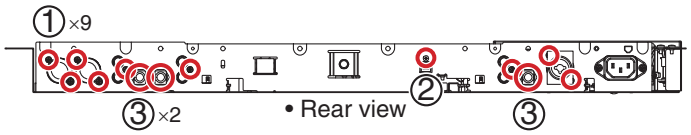
[1-5] Chassis Section

(1) Remove the 2 screws.
(BBZ30P060FTB)
(2) Remove the chassis Section by removing the 6 screws.
(BPZ30P080FNI)

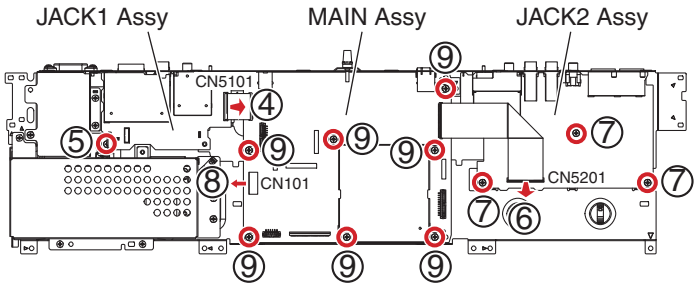


[1-6] JACK1, JACK2 and MAIN Assemblies

(1) Remove the 9 screws.
(PPZ30P080FTB)
(2) Remove the 1 screw.
(DBA1340)
(3) Remove the 3 nuts.
(NKX2FNI)

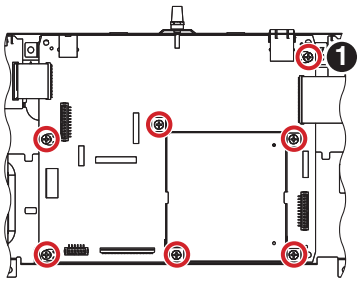


(4) Disconnect the 1 flexible cable.
(CN5101)
(5) Remove the JACK1 Assy by removing the 1 screw.
(BBZ30P060FTC)
(6) Disconnect the 1 flexible cable.
(CN5201)
(7) Remove the JACK2 Assy by removing the 3 screws.
(BBZ30P060FTC)
(8) Disconnect the 1 connector.
(CN101)
(9) Remove the MAIN Assy by removing the 7 screws.
(BBZ30P060FTC)



Screw tightening order

The other screws are random order.



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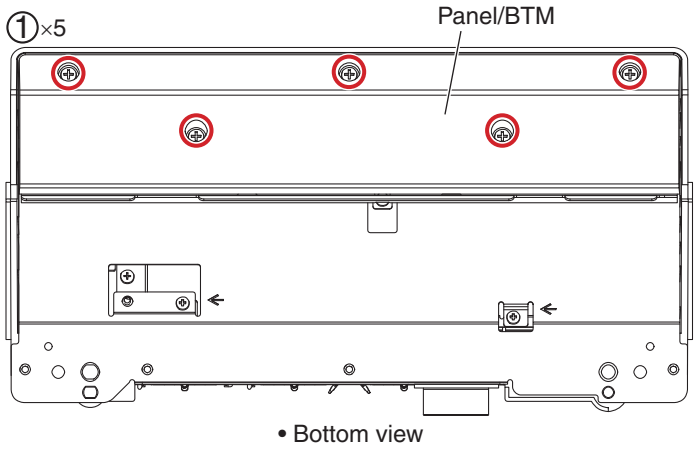
[2] LCD Section

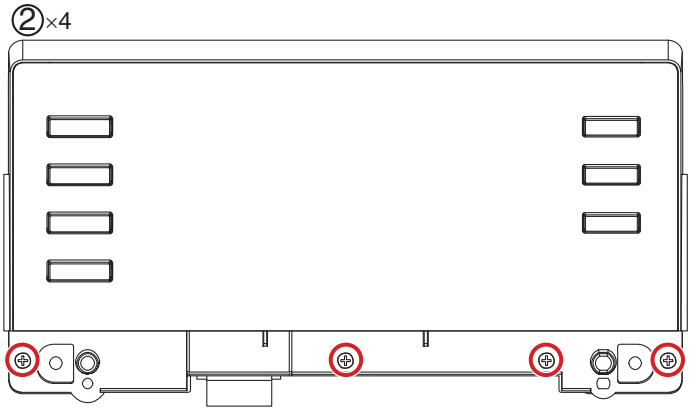
[2-1] Exterior Section

(1) Remove the panel/BTM by removing the 5 screws.
(BBZ30P060FTB)

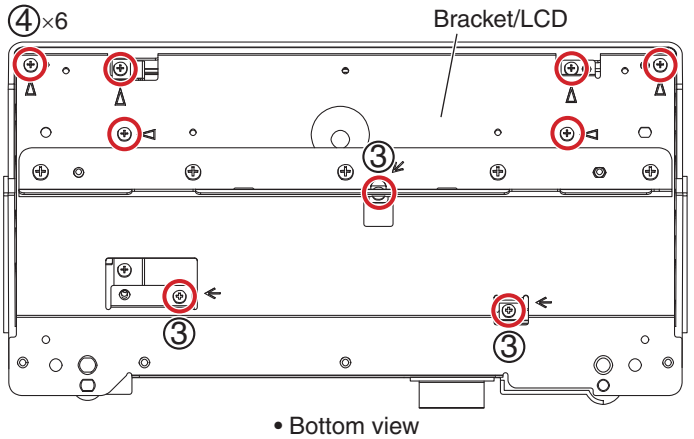


• Bottom view

(2) Remove the 4 screws.
(BBZ30P080FTC)



(3) Remove the 3 screws.
(BBZ26P060FTB)
(4) Remove the bracket/LCD by removing the 6 screws.
(BPZ26P080FTC)



• Bottom view

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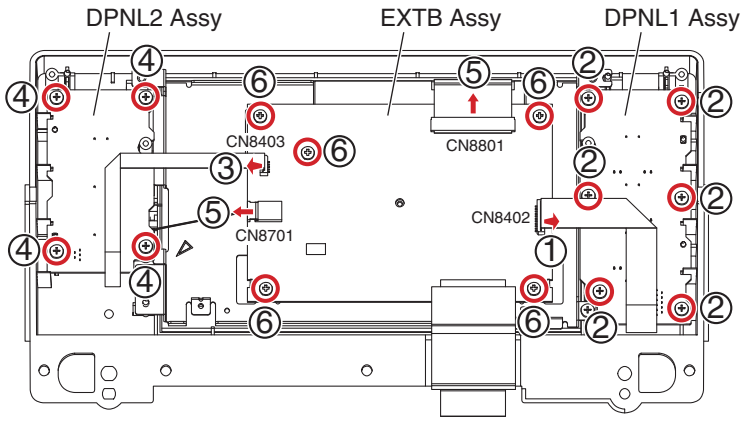
[2-2] DPNL1, DPNL2 and EXTB Assemblies

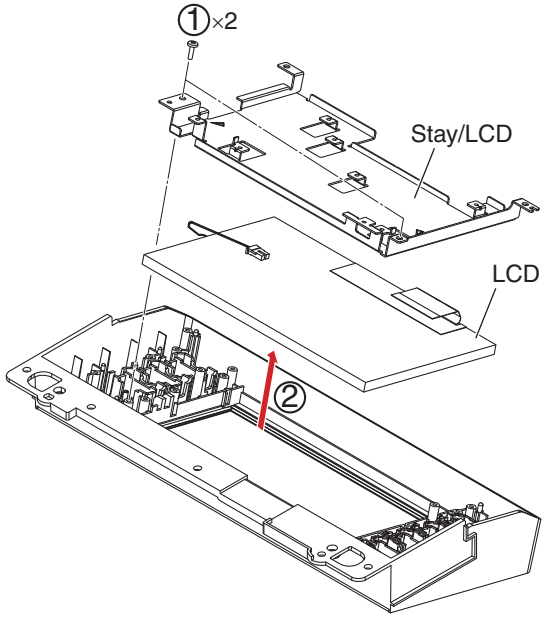
(1) Disconnect the 1 flexible cable. (CN8402)
(2) Remove the DPNL1 Assy by removing the 6 screws. (BPZ26P080FTC)
(3) Disconnect the 1 flexible cable. (CN8403)
(4) Remove the DPNL2 Assy by removing the 4 screws.
(5) Disconnect the 1 flexible cable and 1 connectors. (CN8801, 8701)
(6) Remove the EXTB Assy by removing the 5 screws. (BBZ26P060FTB)



• Bottom view

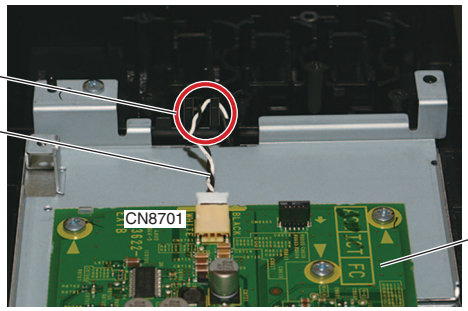
[2-3] LCD

(1) Remove the stay/LCD by removing the 2 screws. (BPZ26P080FTC)
(2) Remove the LCD.



• Bottom view

• Notes on Cable Styling



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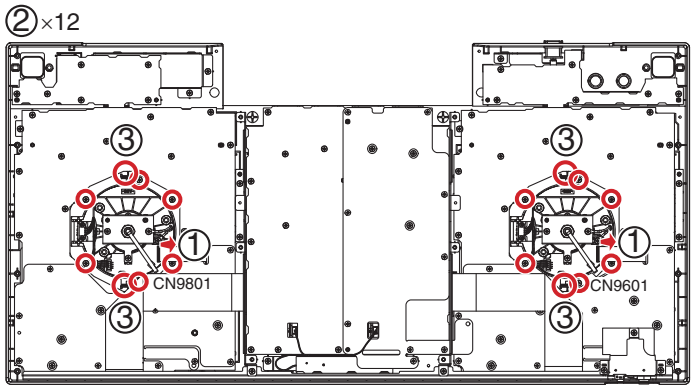
[3] Control panel Section

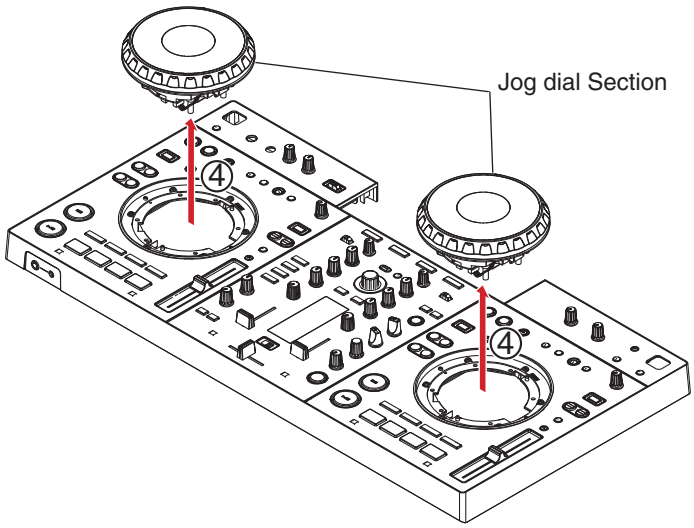
[3-1] Jog dial Section

(1) Disconnect the 2 flexible cables. (CN9601, 9801)
(2) Remove the 12 screws. (BPZ30P080FNI)
(3) Unhook the 4 hooks.



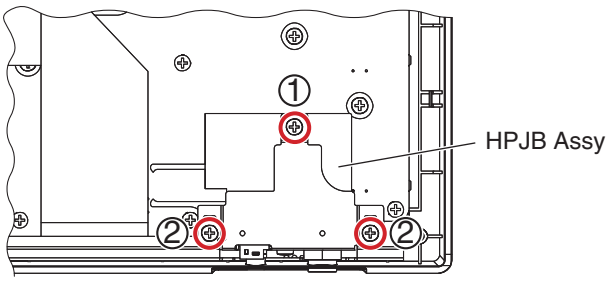
• Bottom view

(4) Remove the 2 jog dial Sections.



[3-2] HPJB Assy

(1) Remove the 1 screw. (BPZ30P080FNI)
(2) Remove the HPJB Assy with stay by removing the 2 screws. (BBZ30P060FTC)



• Bottom view

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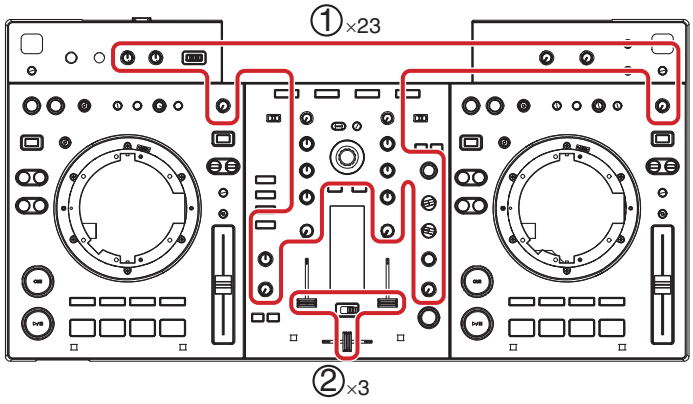
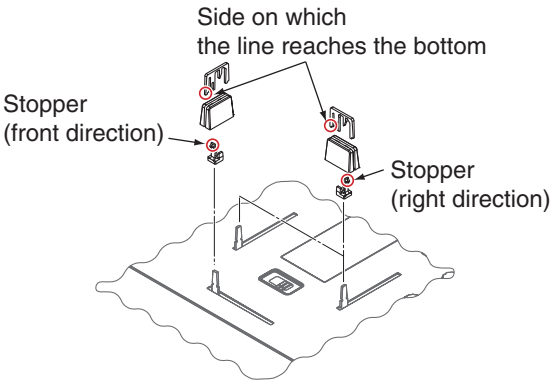
[3-3] Knobs etc.

(1) Remove the all knobs.
(2) Remove the 3 Silider knobs 2,
3 Slider knobs 1, 3 Slider Stoppers.
(See below.)



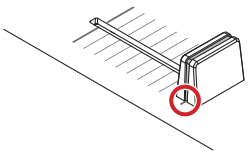
The reference of the direction



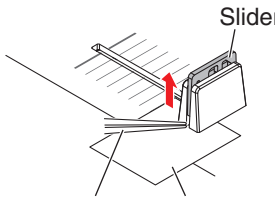
• Disassembly of the slider knob

The new slider knob adopted by this product is designed so that it is not pulled out easily.
Therefore, the method for removing the slider knob is different from the conventional method; it can only be pulled out after Slider knob 2 is removed.

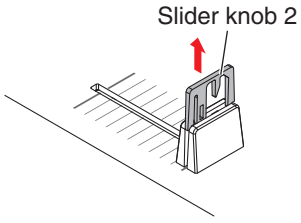
① Find the side on which the line reaches the bottom.



② Insert a pair of tweezers etc. beneath the line then push the Slider knob 2 upward.
To protect the panel from being scratched, use protective material.

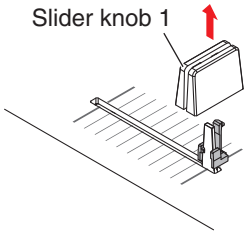


③ Remove the Slider knob 2.

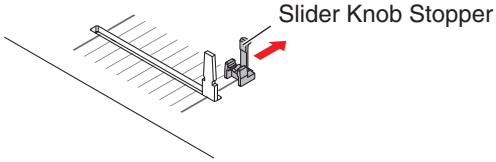


*: During reassembly, fully push down Slider knob 2 until it is dented into Slider knob 1.

④ Remove the Slider knob 1.



⑤ Remove the Slider Knob Stopper.



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Notes on Replacement of the Plate/DC1, Plate/MIX, and Plate/DC2

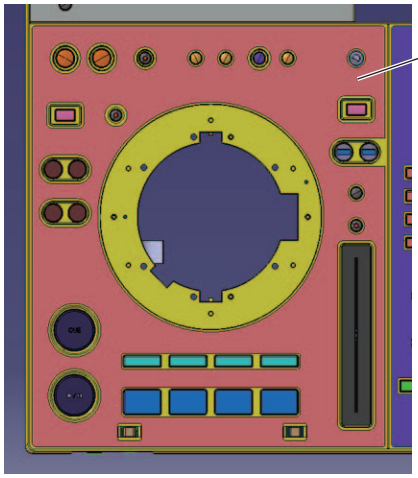
As the Plate/DC1 and Plate/DC2 are attached to the control panel with DS Tape, when those plates are to be replaced replacement of DS Tape/DC1 and DS Tape/DC2 is also required.
In the same way, as the Plate/MIX is attached to the control panel with DS Tape, when this plate is to be replaced replacement of DS Tape/MIX, DS Tape, and 3 pieces of Fader Packing is also required.

When detaching the plates, take care not to damage the control panel.
Cleanly remove any residue of DS Tape and Fader Packing from the control panel then attach the pieces of new DS Tape and Fader Packing to the control panel, as indicated in the figures below.

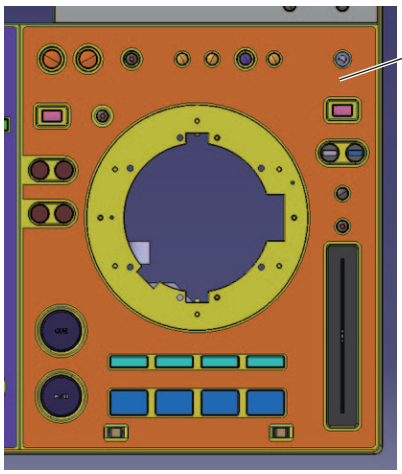
DS Tape/DC1: DEH1061
DS Tape/MIX: DEH1062
DS Tape: DEH1066
Fader Packing: DEC3355
DS Tape/DC2: DEH1063

When attaching the plates, be careful not to attach them over the edge of the control panel or the Panel/LVL.

DECK 1 side



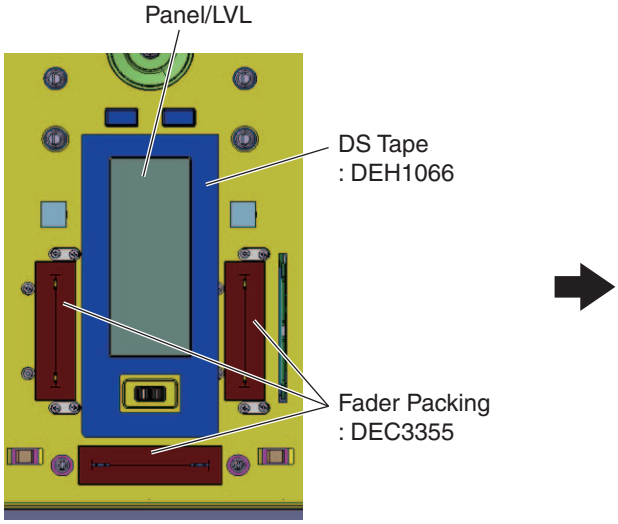
DECK 2 side

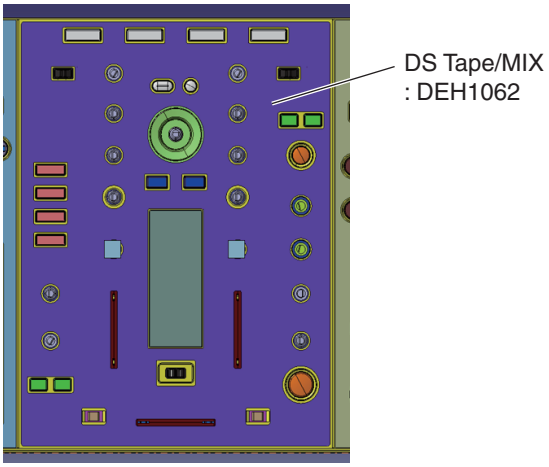


MIXER section

1) Attach DS Tape and 3 pieces of Fader Packing.

2) Place the DS Tape/MIX over them then attach it.





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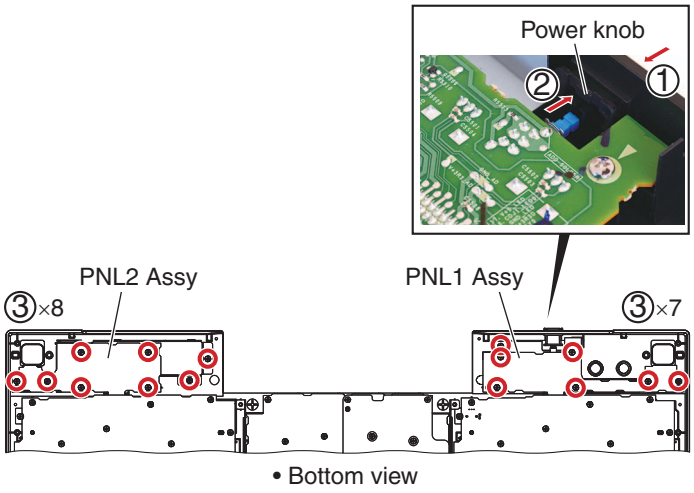
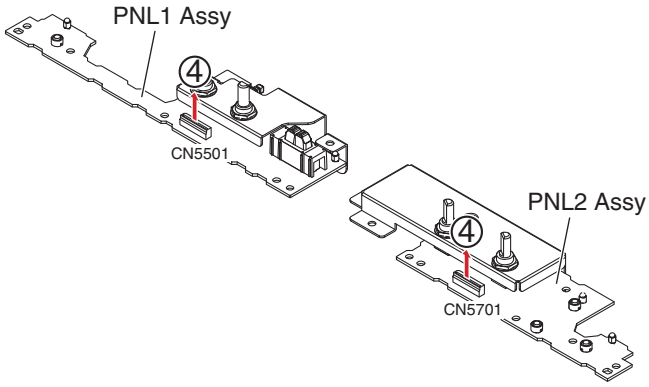
[3-4] PNL1 and PNL2 Assemblies

(1) Push the Power knob to set it to the "ON" position.
(2) Release the Power knob.
Note: Be sure to release the Power knob before removing the PNL1 and PNL2 Assemblies.
(3) Remove the PNL1 and PNL2 Assemblies by removing the 15 screws.
(BPZ30P080FNI)

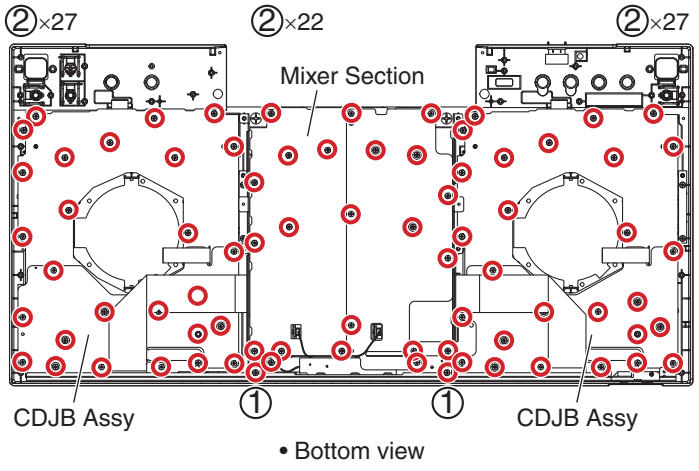


(4) Disconnect the 2 flexible cables.
(CN5501, 5701)



[3-5] Mixer Section and CDJB Assy

(1) Remove the 2 screws.
(BBZ30P060FTC)
(2) Remove the mixer Section and CDJB Assemblies by removing the 76 screws.
(BPZ30P080FNI)



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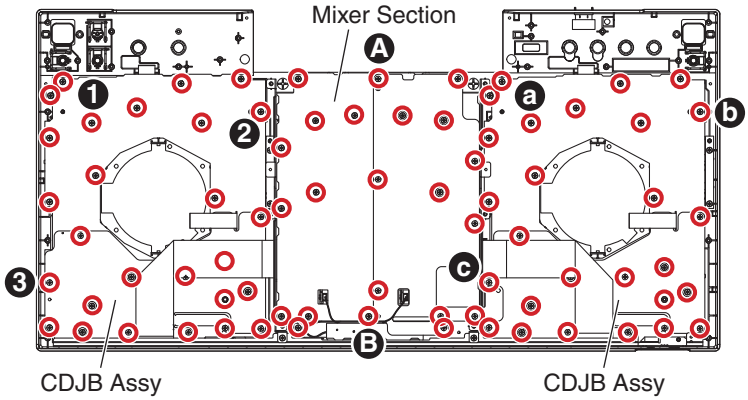
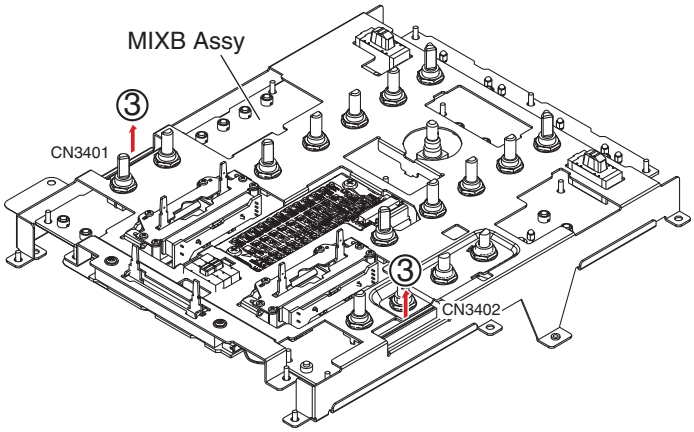
Screw tightening order

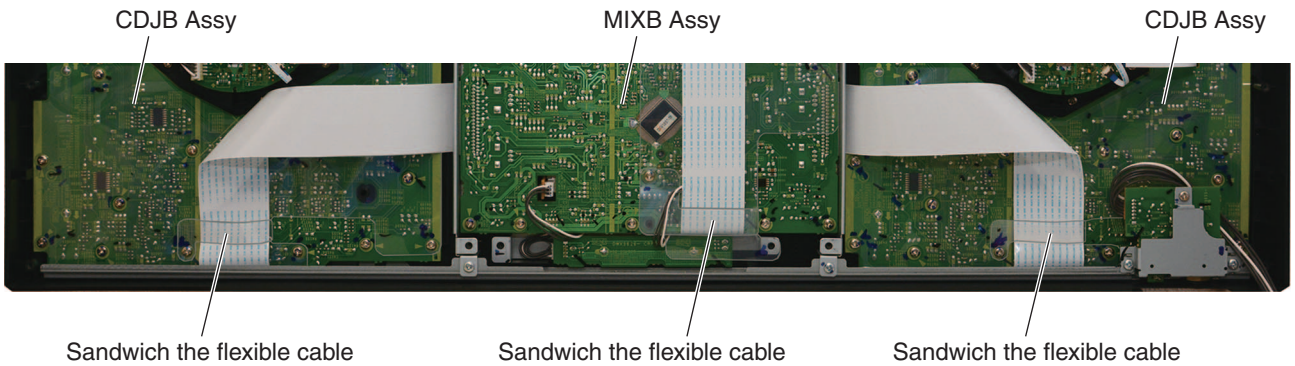
The other screws are random order.



(3) Disconnect the 2 flexible cables. (CN3401, 3402)



• Flexible cables, Barriers styling



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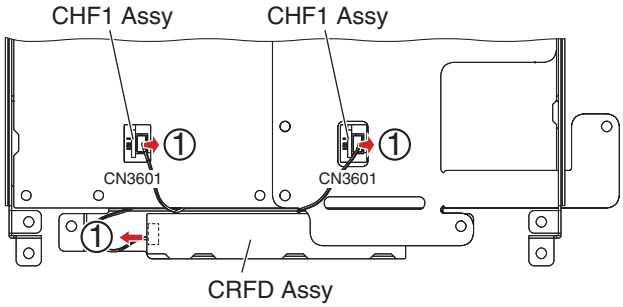
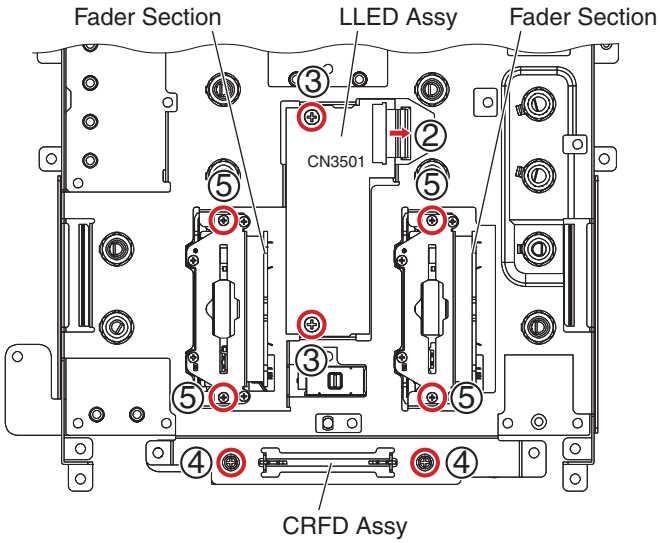
[3-6] LLED, CRFD Assemblies and fader Section

(1) Disconnect the 3 connectors.
(CN3601, 3801)



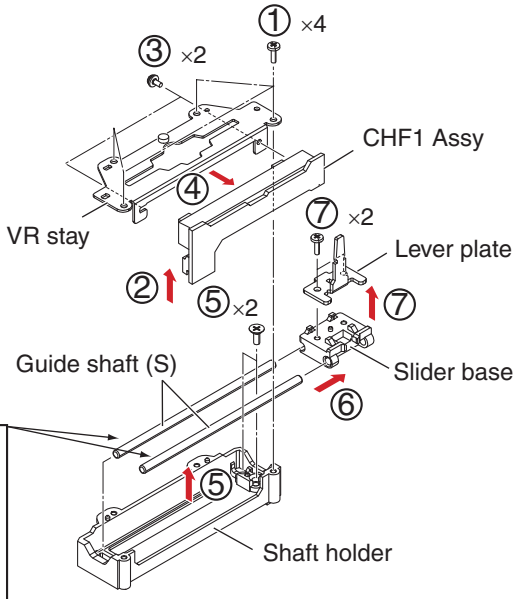
• Bottom view

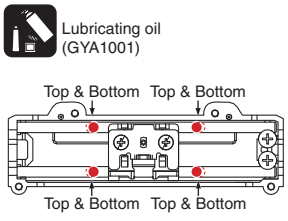
(2) Disconnect the 1 flexible cable.
(CN3501)
(3) Remove the LLED Assy by removing the 2 screws.
(BBZ30P060FTC)
(4) Remove the CRFD Assy by removing the 2 screws.
(IMZ30P040FTC)
(5) Remove the 2 fader Sections by removing the 4 screws.
(BSZ20P040FTB)



[3-7] CHF1 Assy

(1) Remove the 4 screws.
(BPZ20P060FTC)
(2) Remove the CHF1 Assy with VR stay.
(3) Remove the 2 screws.
(PMH20P040FTC)
(4) Remove the CHF1 Assy.
(5) Remove the guide shaft (S) and slider base Section by removing the 2 screws.
(CPZ26P080FTC)
(6) Remove the slider base Section from guide shaft (S).
(7) Remove the lever plate by removing the 2 screws.
(BPZ20P060FTC)





Note:
Greasing must be performed at a total of 8 points, 2 points each for the upper and bottom places of each shaft. (0.4 to 1 mg per point × 8 points)
After applying grease, move the slider base back and forth from one end to the other for approximately 10 to 20 strokes, in order to fully spread the grease.

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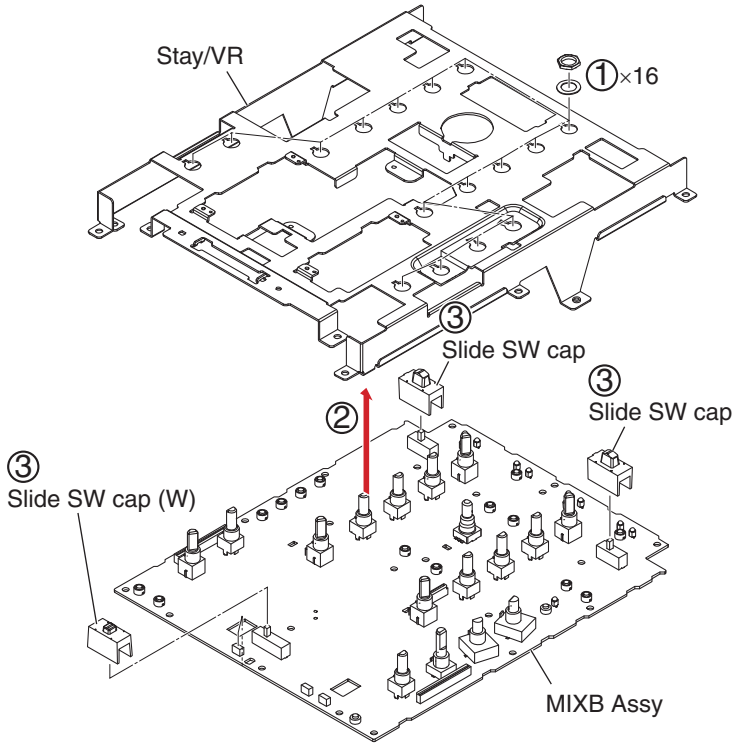
[3-8] MIXB Assy

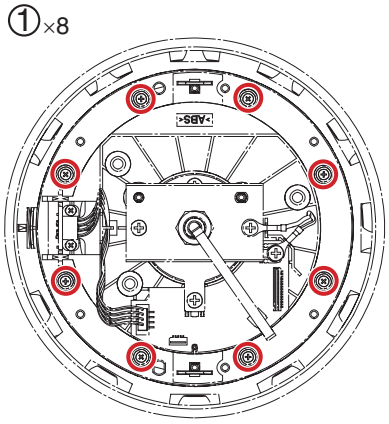
(1) Remove the 16 nuts and 16 washers.
(2) Remove the stay/VR.
(3) Remove the 2 slide SW cap and 1 slide SW cap (W).



[4] Jog dial

[4-1] JLED Assy

(1) Remove the 8 screws.
(BPZ20P060FTC)



• Bottom view

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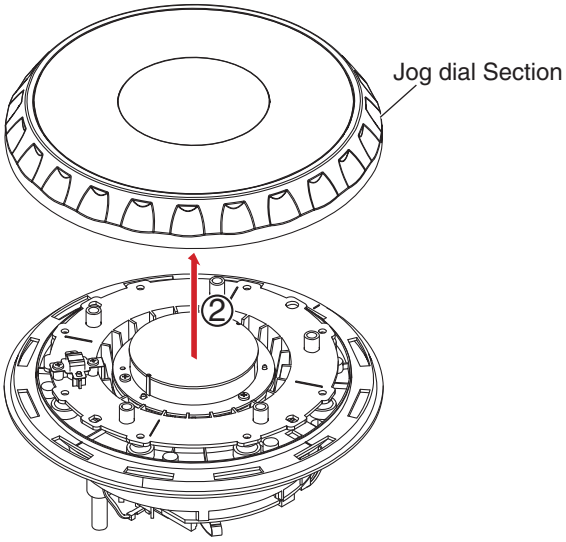
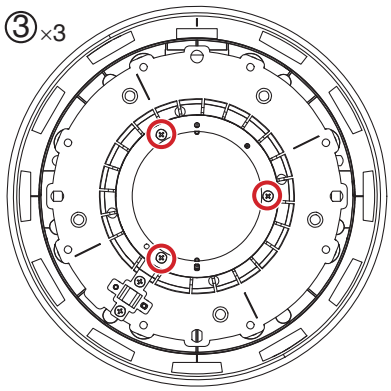
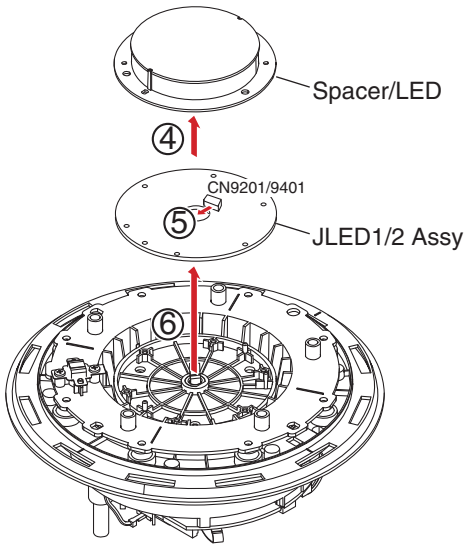
(2) Remove the jog dial Section.



(3) Remove the 3 screws.
(BPZ20P060FTC)



(4) Remove the spacer/LED.
(5) Disconnect the 1 flexible cable.
(CN9201/9401)
(6) Remove the JLED1 or 2 Assy.



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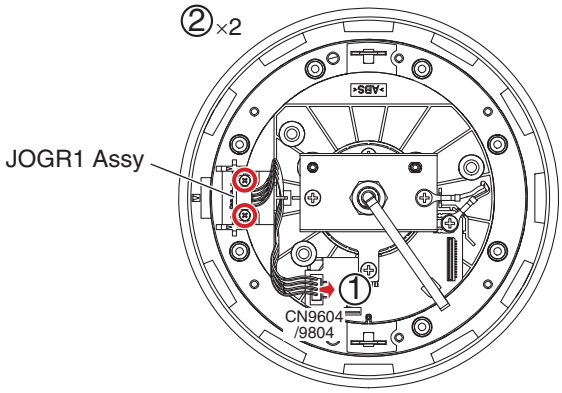
[4-2] JOGR1 Assy

(1) Disconnect the 1 connector.
(CN9604/9804)
(2) Remove the JOGR1 Assy by removing the 2 screws.
(BPZ20P060FTC)

Note:
When reattaching the JOGR1 Assy, hold it pressed in place by the underside of its base plate.
Be sure to attach the Assy horizontally while holding it pressed.
If you hold it pressed from above, you may damage the photointerrupters.



• Bottom view

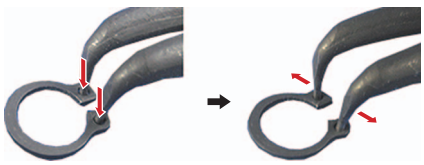
[4-3] JOGT Assy

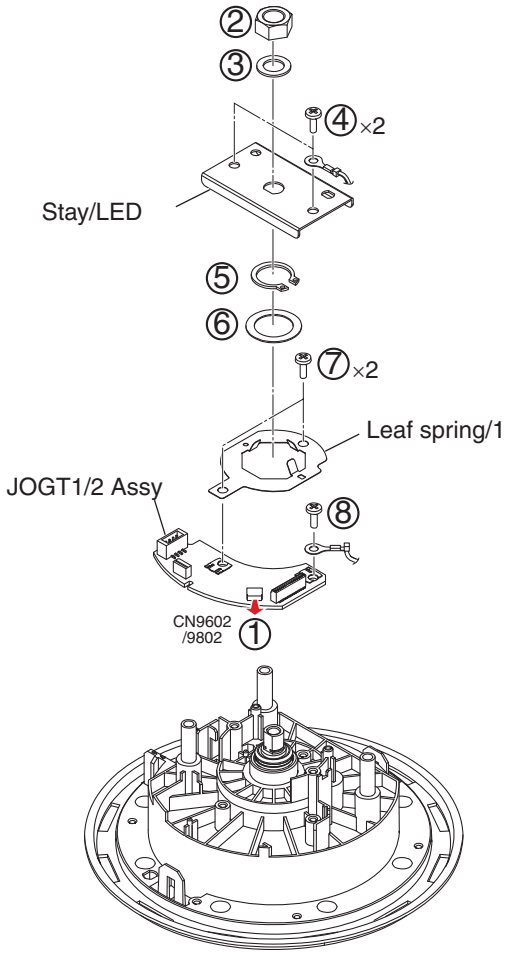
(1) Disconnect the 1 flexible cable.
(CN9602/9802)
(2) Remove the 1 nut.
(NA80FTC)
(3) Remove the 1 spring washer.
(WN80FTC)
(4) Remove the stay/LED by removing the 2 screws.
(BPZ30P080FNI)
(5) Remove the 1 washer.
(YC150FAC)
(6) Remove the 1 washer.
(WA154D225D050)
(7) Remove the leaf spring/1 by removing the 2 screws.
(BPZ30P080FNI)
(8) Remove the JOGT1 or 2 Assy by removing the 1 screw.
(BPZ30P080FNI)

For Disassembly/Assembly of Washer (⑤: YC150FAC)

Please use the jig. (Recommend Snap ring pryor.)

Insert the jig in the hole. Open the jig.





• Bottom view

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Notes on reassembly of the Jog dial

Amount of grease to be applied

Apply grease entirely and evenly to the shaft and sleeve.

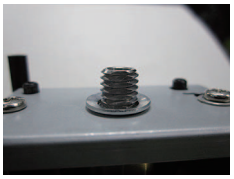
Shaft

Sleeve

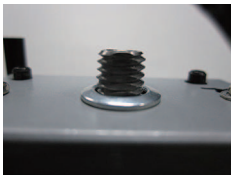
Orientation of the spring washer and nut

Orientation of the spring washer

OK

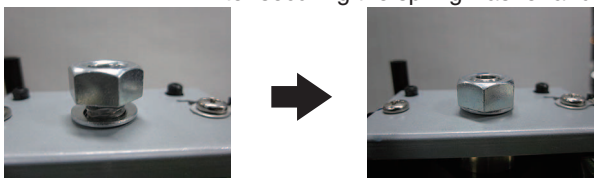


NG



Orientation of the nut

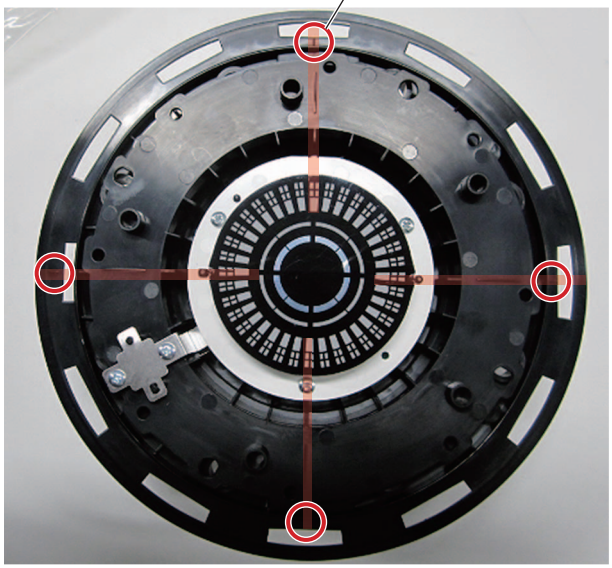
After securing the spring washer and nut



Confirmation of positioning of the center LED

To prevent the window from shifting in the direction of rotation, when securing the nut to the JOG/shaft, be sure that any two facing slit marks of the window are aligned with the two facing engraved marks on the Holder/JOG.

Four engraved marks on the Holder/JOG



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8. EACH SETTING AND ADJUSTMENT

8.1 NECESSARY ITEMS TO BE NOTED

After repairing, be sure to check the version of the firmware, and if it is not the latest one, update to the latest version.
Perform the each item when the following parts are replaced.

- MAIN Assy ⇨
  - Confirmation of the version of the firmware
  - Updating to the latest version of the firmware
  - Factory reset
    (Be changed user setting to condition before the repair when be possible)
- MIXB Assy (EUP UCOM: IC3601) ⇨
  - Confirmation of the version of the firmware
  - Updating to the latest version of the firmware
- Jog dial section component part ⇨
  - Confirmation of the specified value by Jog dial Rotation Time measurement mode

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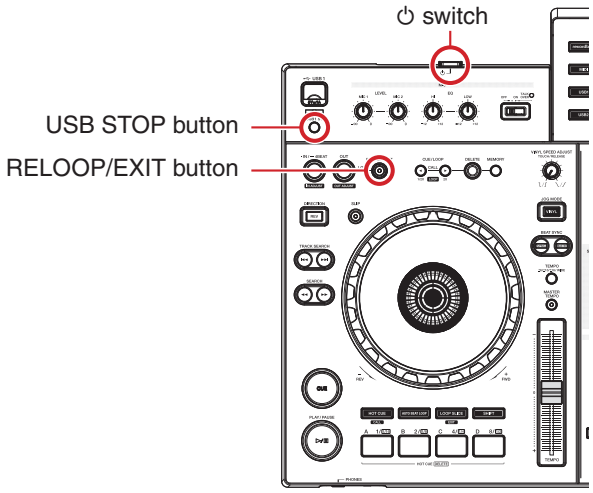
8.2 UPDATING OF THE FIRMWARE

Note:
If the power cord is disconnected during updating, perform updating again after the unit is turned on the next time. Then you can operate the unit normally.
You cannot operate the unit normally without reperforming updating.

Procedure

① Copy an update file (XDJRX.UPD) to a root folder of USB device.

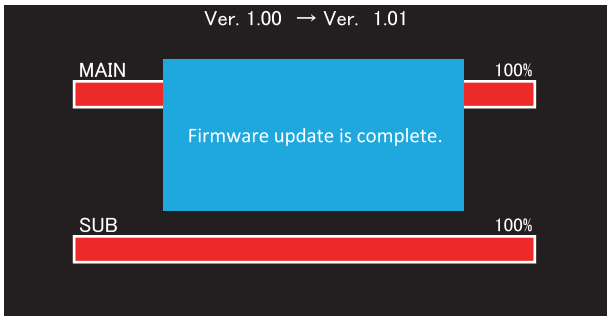
② Turn on the power, pressing the DECK 1 USB STOP, DECK 1 RELOOP/EXIT buttons.
(Be sure to hold the @ switch pressed until the unit starts up.)



③ Insert the USB device which you wrote in an update file at with procedure ①.

④ Update is started.

⑤ Update is completed, and displayed "Firmware update is complete."



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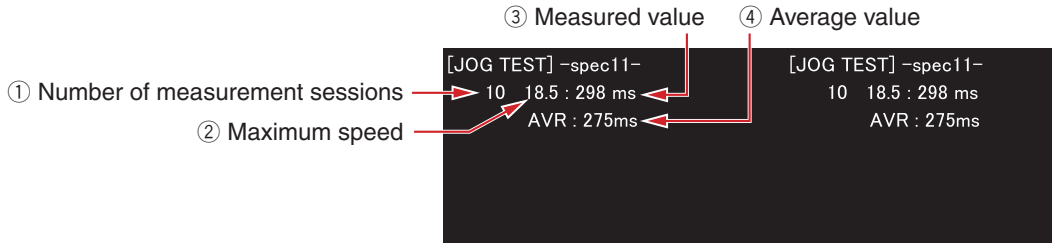
8.3 ADJUSTMENT METHOD FOR ROTATION LOAD OF THE JOG DIALS

Measurement content

The time required for the JOG dial to decrease its rotation speed from 3 times to 1.5 times normal speed will be measured.
If the maximum speed does not reach 7 times normal speed, measurement will not be performed.
Either rotation direction will do.

Indications

① Number of measurement sessions: The accumulated number of measurement sessions from a measurement start will be displayed (1, 2, 3, . . .).
The number will be reset to 1 when the rotary selector is pressed.
② Maximum speed: The maximum speed in each measurement session will be displayed (unit: × normal).
③ Measured value : The time required for the rotation speed to slow down from 3 times to 1.5 times normal speed ("slowdown time") in each measurement session will be displayed (unit: ms).
④ Average value: The average value of all measured values (③ above) will be displayed (unit: ms).
The number will be reset to 0 when the rotary selector is pressed.

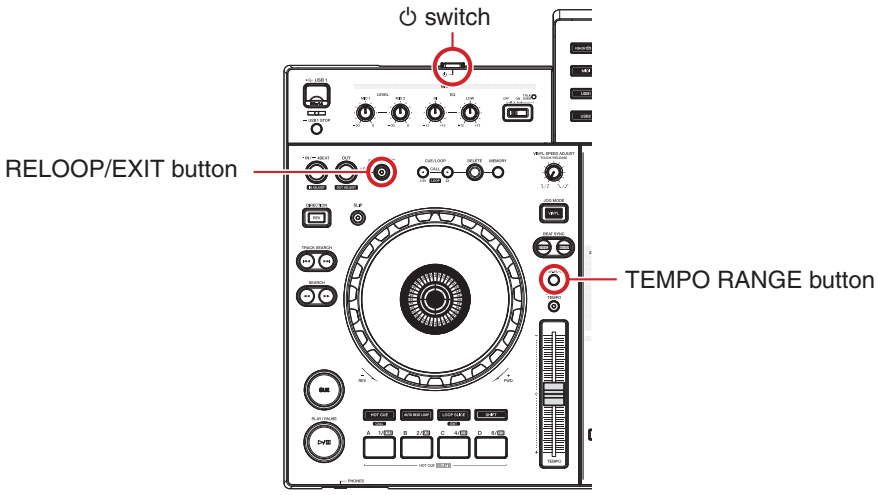


Measurement history display

The measurement data (①, ②, and ③ above) from each measurement session will be stored in memory for up to 99 sessions.
To display measurement data, turn the rotary selector while holding the SHIFT button of each deck pressed.

Procedures

1. After reassembly, perform manual run-in rotations for 20–30 seconds so that grease will spread evenly and entirely.
2. Enter the mode for Confirmation of Rotation Load of the JOG Dial.
   To enter this mode, while holding the TEMPO RANGE and RELOOP/EXIT buttons of the DECK 1 pressed, hold the ⏻ switch pressed to turn the unit ON. (Be sure to hold the ⏻ switch pressed until the unit starts up.)



3. Turn the JOG dial swiftly. Always turn the JOG dial in the same direction.
4. The slowdown time (unit: ms) will be measured.
5. Perform measurement 3 times. If the average value (unit: ms) displayed on the screen is outside the specified range (120–170 ms), perform the following adjustment:
   If the value exceeds 170 ms: Reapply grease.
   If the value is below 120 ms: Perform additional run-in rotations.
6. If the difference in the average values between the left and right JOG dials exceeds 20% of either JOG dial's average value, adjust either of the JOG dials to make the difference within 20%.

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8.4 USER SETABLE ITEMS

This unit is provided with user settable items, as shown below.
Although no serious operational problems occur even if data for such user settable items are cleared during repair, it is recommended that you take note of those settings before starting repair.
Use the Check Sheet, to which you can transcribe the settings.
If the corresponding part or board Assy is replaced for repair, change the user resettable settings to those noted on the Check Sheet before starting repair. If resetting is not possible, when returning the repaired product, be sure to tell the customer that the Utility settings have been cleared and will have to be reset, as required.

Item for Which User's Setting is Available	Setting Value (The factory default settings are indicated in bold.)	Part Name	Content to be Stored
AUTO CUE LEVEL	–36 dB / –42 dB / –48 dB / –54 dB / –60 dB / –66 dB / –72 dB / –78 dB / **MEMORY**	IC1501 (MAIN Assy)	Utility setting
SLIP FLASHING	**ON** / OFF		
ON AIR DISPLAY	**ON** / OFF		
VINYL SPEED ADJUST	**TOUCH&RELEASE** / TOUCH/RELEASE		
AUTO PLAY MODE	ON / **OFF**		
LOOP SLICE	**CONTINUE** / SINGLE		
EQ CURVE	**EQ** / ISOLATOR		
CH FADER CURVE	[⌐]CH FADER CURVE1 / **[⌐]CH FADER CURVE2** / [⌐]CH FADER CURVE3		
MASTER ATT.	–6 dB / –3 dB / **0 dB**		
MIXER MODE	**XDJ-RX** / MIDI CONTROL		
LANGUAGE	Distination		
LCD BRIGHTNESS	1 / 2 / **3** / 4 / 5		
SCREEN SAVER	**ON** / OFF		
AUTO STANDBY	**ON** / OFF		
VERSION No.	Firmware version		
TIME MODE	TIME / **REMAIN**		Key status
AUTO CUE	ON / **OFF**		
JOG MODE	**Normal** / VINYL		
TEMPO RANGE	±6 / **±10** / ±16 / WIDE		
MASTER TEMPO	ON / **OFF**		
QUANTIZE	**ON** / OFF		

Sheet for confirmation of the user setting

AUTO CUE LEVEL									SLIP FLASHING	
–36 dB	–42 dB	–48 dB	–54 dB	–60 dB	–66 dB	–72 dB	–78 dB	MEMORY	ON	OFF

ON AIR DISPLAY		VINYL SPEED ADJUST			AUTO PLAY MODE		LOOP SLICE	
ON	OFF	TOUCH&RELEASE	TOUCH	RELEASE	ON	OFF	CONTINUE	SINGLE

EQ CURVE		CH FADER CURVE			MASTER ATT.		
EQ	ISOLATOR	CH FADER CURVE1	CH FADER CURVE2	CH FADER CURVE3	–6 dB	–3 dB	0 dB

MIXER MODE		LANGUAGE	LCD BRIGHTNESS					SCREEN SAVER	
XDJ-RX	MIDI CONTROL		1	2	3	4	5	ON	OFF

AUTO STANDBY		VERSION No.
ON	OFF	

TIME MODE		AUTO CUE		JOG MODE		TEMPO RANGE			
TIME	REMAIN	ON	OFF	Normal	VINYL	±6	±10	±16	WIDE

MASTER TEMPO		QUANTIZE	
ON	OFF	ON	OFF

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A

B

C

D

E

F

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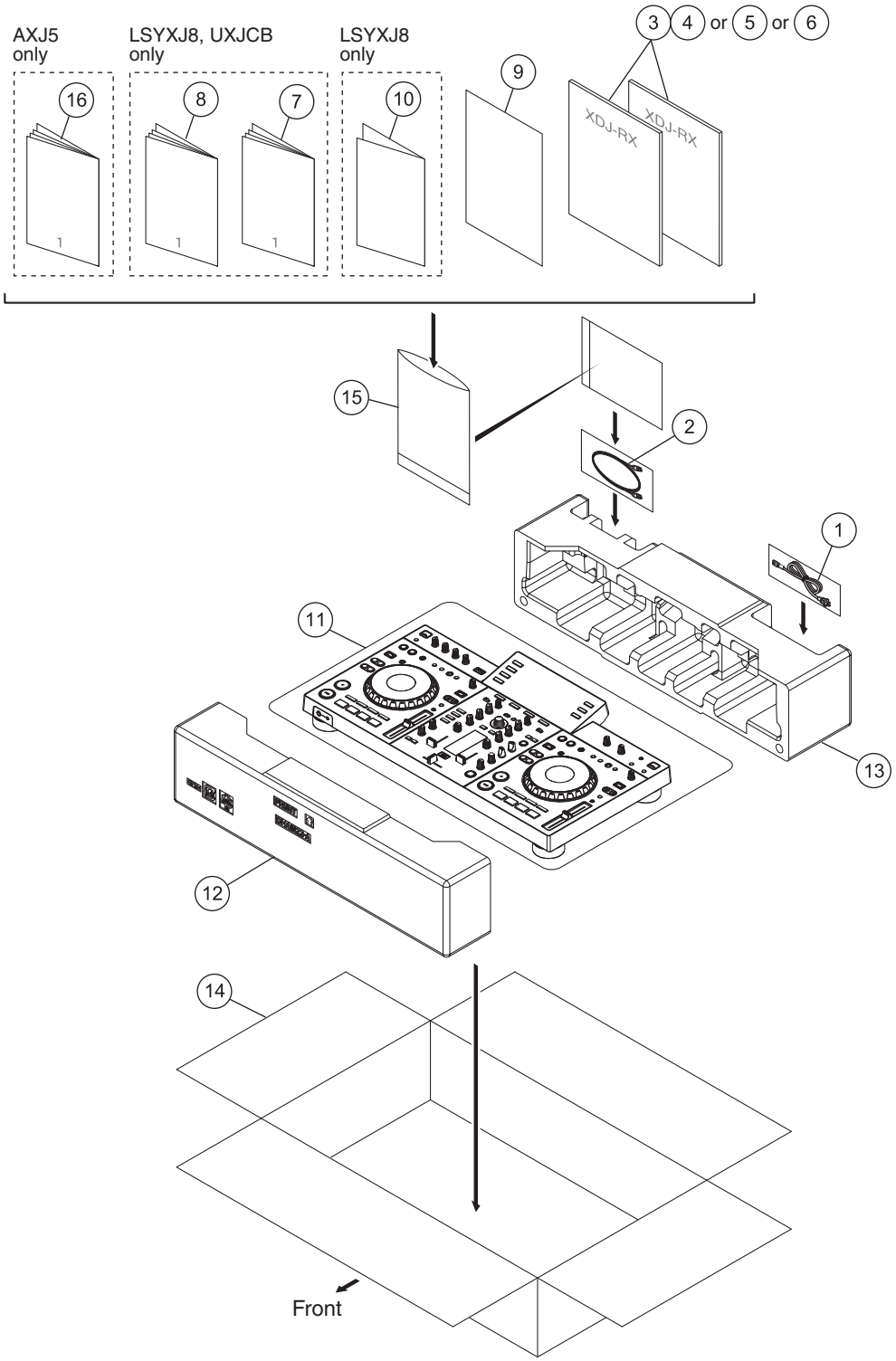
9. EXPLODED VIEWS AND PARTS LIST

NOTES:
- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Screws adjacent to ▼ mark on product are used for disassembly.*
- *For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)*

9.1 PACKING SECTION



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(1) PACKING SECTION PARTS LIST

Mark	No.	Description	Part No.
⚠	1	Power Cord	See Contrast table (2)
	2	LAN Cable	DDE1141
	3	Operating Instructions (Quick Start Guide)	See Contrast table (2)
	4	Operating Instructions (Quick Start Guide)	See Contrast table (2)
	5	Operating Instructions (Quick Start Guide)	See Contrast table (2)
	6	Operating Instructions (Quick Start Guide)	See Contrast table (2)
	7	Sub Manual/LI1	See Contrast table (2)
	8	Sub Manual/LI2	See Contrast table (2)
	9	Software Information	DRH1305
NSP	10	Warranty	See Contrast table (2)
	11	Mirror Mat (1200*1000)	DHL1169
	12	Pad	DHA1922
	13	Pad	DHA1923
	14	Packing Case	See Contrast table (2)
NSP	15	Polyethylene Bag	AHG7117
	16	Sub Manual/LIC	See Contrast table (2)

(2) CONTRAST TABLE

XDJ-RX/LSYXJ8, UXJCB and AXJ5 are constructed the same except for the following:

Mark	No.	Symbol and Description	XDJ-RX/LSYXJ8	XDJ-RX/UXJCB	XDJ-RX/AXJ5
⚠	1	Power Cord	ADG1244	DDG1108	DDG1114
	3	Operating Instructions (Quick Start Guide)(En, Fr, De, It)	DRH1293	Not used	Not used
	4	Operating Instructions (Quick Start Guide)(Nl, Es, Pt, Rs)	DRH1294	Not used	Not used
	5	Operating Instructions (Quick Start Guide)(En)	Not used	DRH1292	Not used
	6	Operating Instructions (Quick Start Guide)(Zhcn)	Not used	Not used	DRH1296
	7	Sub Manual/LI1	DRH1285	DRH1285	Not used
	8	Sub Manual/LI2	DRH1286	DRH1285	Not used
NSP	10	Warranty	ARY7158	Not used	Not used
	14	Packing Case	DHG3382	DHG3391	DHG3393
	16	Sub Manual/LIC	Not used	Not used	DRH1299

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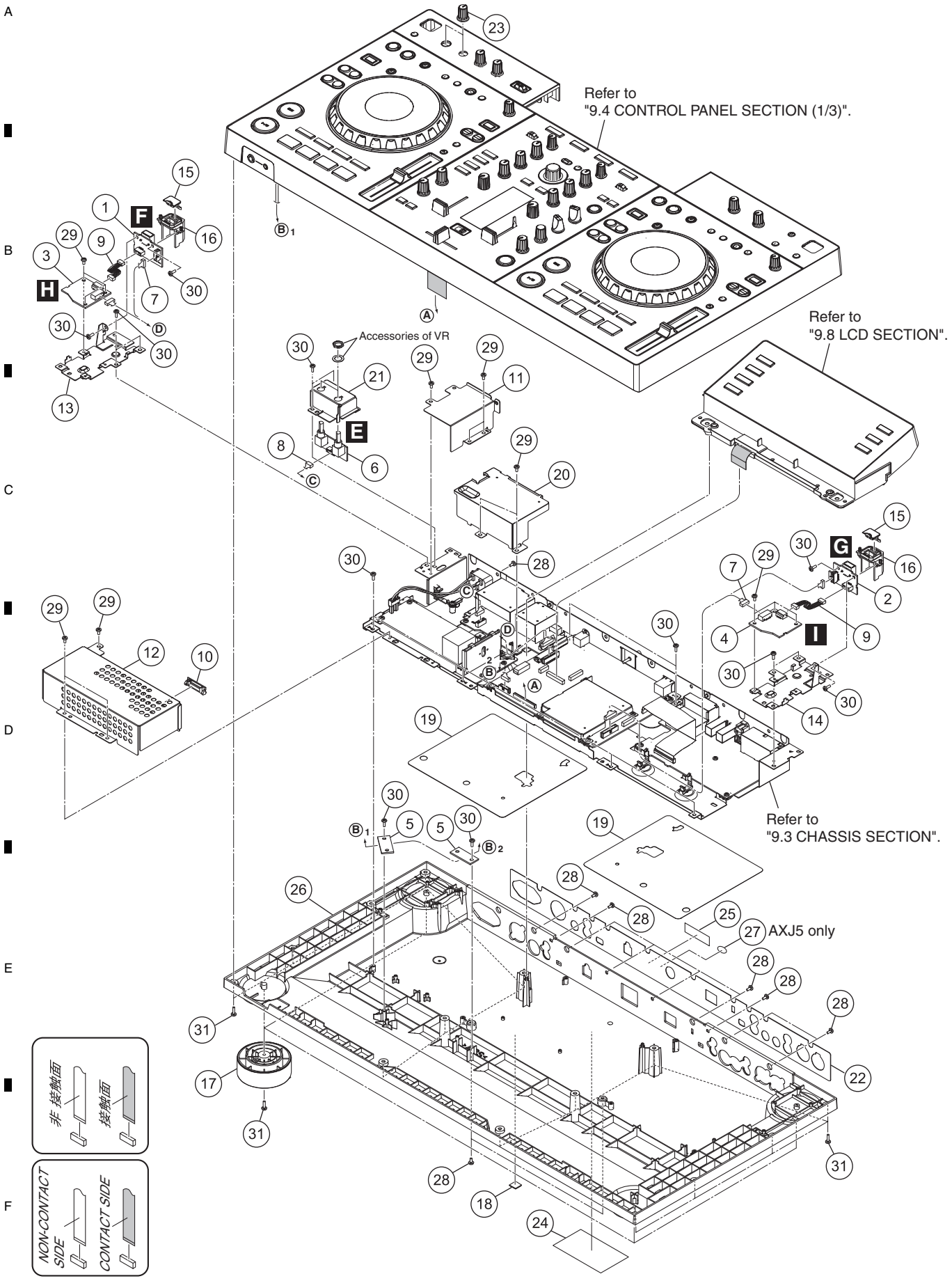
9.2 BOTTOM SECTION



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(1) BOTTOM SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	USB1 Assy	DWX3620
	2	USB2 Assy	DWX3621
	3	USBP1 Assy	DWX3636
	4	USBP2 Assy	DWX3637
	5	HLD3 Assy	DWX3647
	6	MICT Assy	DWX3623
	7	Shielded Conn-Cable	DDA1050
	8	Shielded Conn-Cable	DDA1051
	9	Connector Assy	PF04PP-C05
	10	Guard/EDG	DEC3580
	11	Shield Case/AC	DNH3184
	12	Shield Case	DNH3202
	13	Stay/US1	DNH3192
	14	Stay/US2	DNH3194
	15	Cover/USB	DNK6041
	16	Holder/USB	DNK6390
	17	Insulator Assy	DXB2131
	18	Rubber Foot	VEB1349
	19	Shield Plate	DNH3204
	20	Shield Case	DNH3203
	21	Stay	DNH3205
	22	Rear Panel	See Contast table (2)
	23	Knob/LBK	DAA1284
NSP	24	Label/SY	DRW2637
NSP	25	Serial Label (UPC)	DRW2311
	26	Chassis	DNK6387
NSP	27	CCC S&E Label	See Contast table (2)
	28	Screw	BBZ30P060FTB
	29	Screw	BBZ30P060FTC
	30	Screw	BPZ30P080FNI
	31	Screw	BPZ30P100FTB

(2) CONTRAST TABLE

XDJ-RX/LSYXJ8, UXJCB and AXJ5 are constructed the same except for the following:

Mark	No.	Symbol and Description	XDJ-RX/LSYXJ8	XDJ-RX/UXJCB	XDJ-RX/AXJ5
	22	Rear Panel	DAH3030	DAH3030	DAH3027
NSP	27	CCC S&E Label	Not used	Not used	DRW2310

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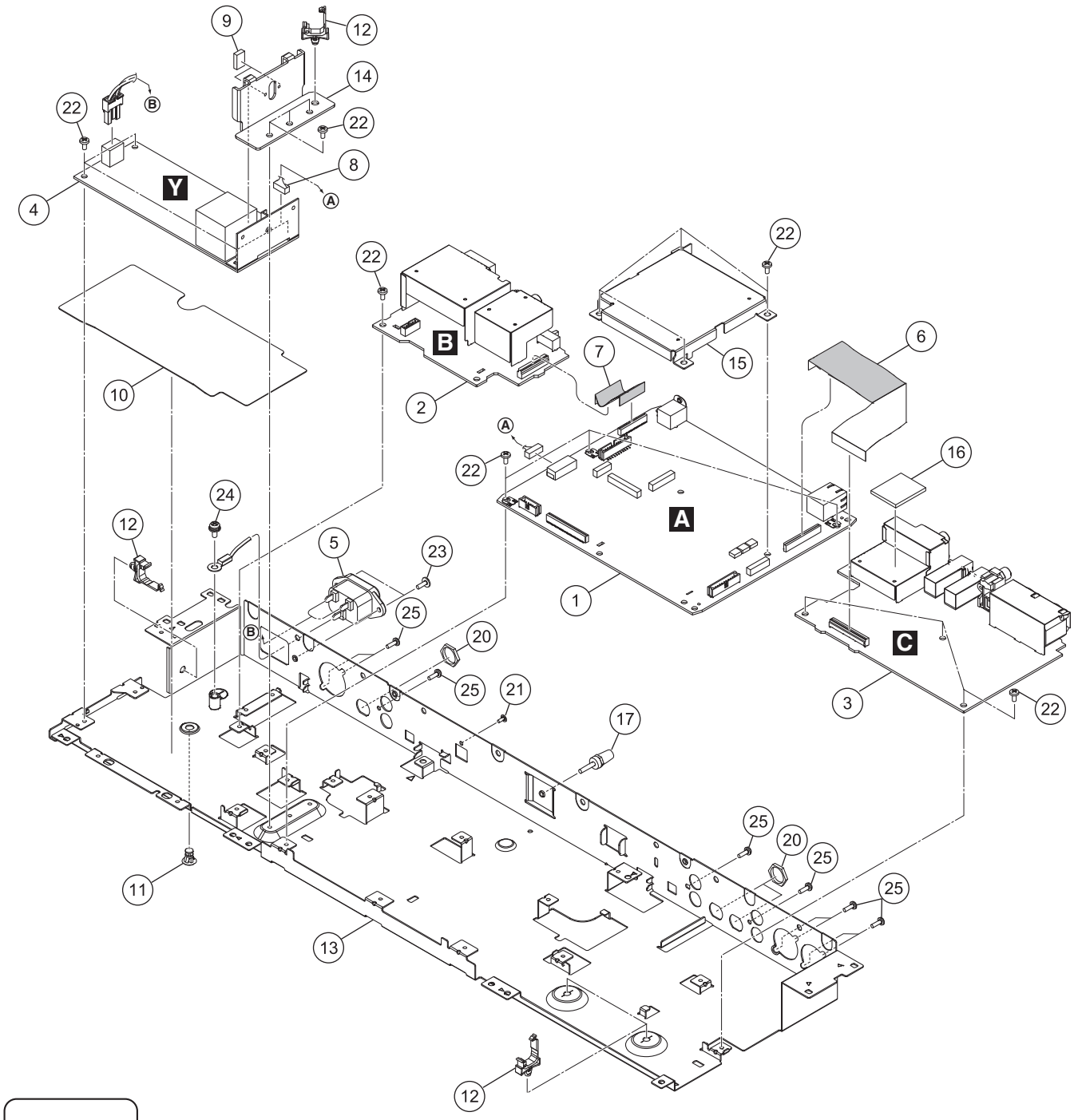
9.3 CHASSIS SECTION



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CHASSIS SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	MAIN Assy	DWX3590
	2	JACK1 Assy	DWX3615
	3	JACK2 Assy	DWX3616
⚠	4	POWER SUPPLY Assy	DWR1463
⚠	5	AC Inlet/3P	DKP3961
	6	FFC/31P	DDD1685
	7	FFC	DDD1694
	8	Crimp Connector/6P	DKP3963
	9	Heat Cond Sheet	DEB2001
	10	Sheet	DEC3591
	11	Spacer/PCB	DEC3574
	12	Cord Clamper	DEC3579
	13	Stay/PCB	DNH3183
	14	Heat Sink/AL	DNH3195
	15	Shield Case/MAI	DNH3181
	16	Cushion	DEC3592
	17	Terminal Screw	AKE-031
	18	•••••	
	19	•••••	
	20	Nut (M12)	NKX2FNI
	21	Screw (M3*5)	DBA1340
	22	Screw	BBZ30P060FTC
	23	Screw	IBZ30P080FTB
	24	Screw	PMH40P080FTC
	25	Screw	PPZ30P080FTB

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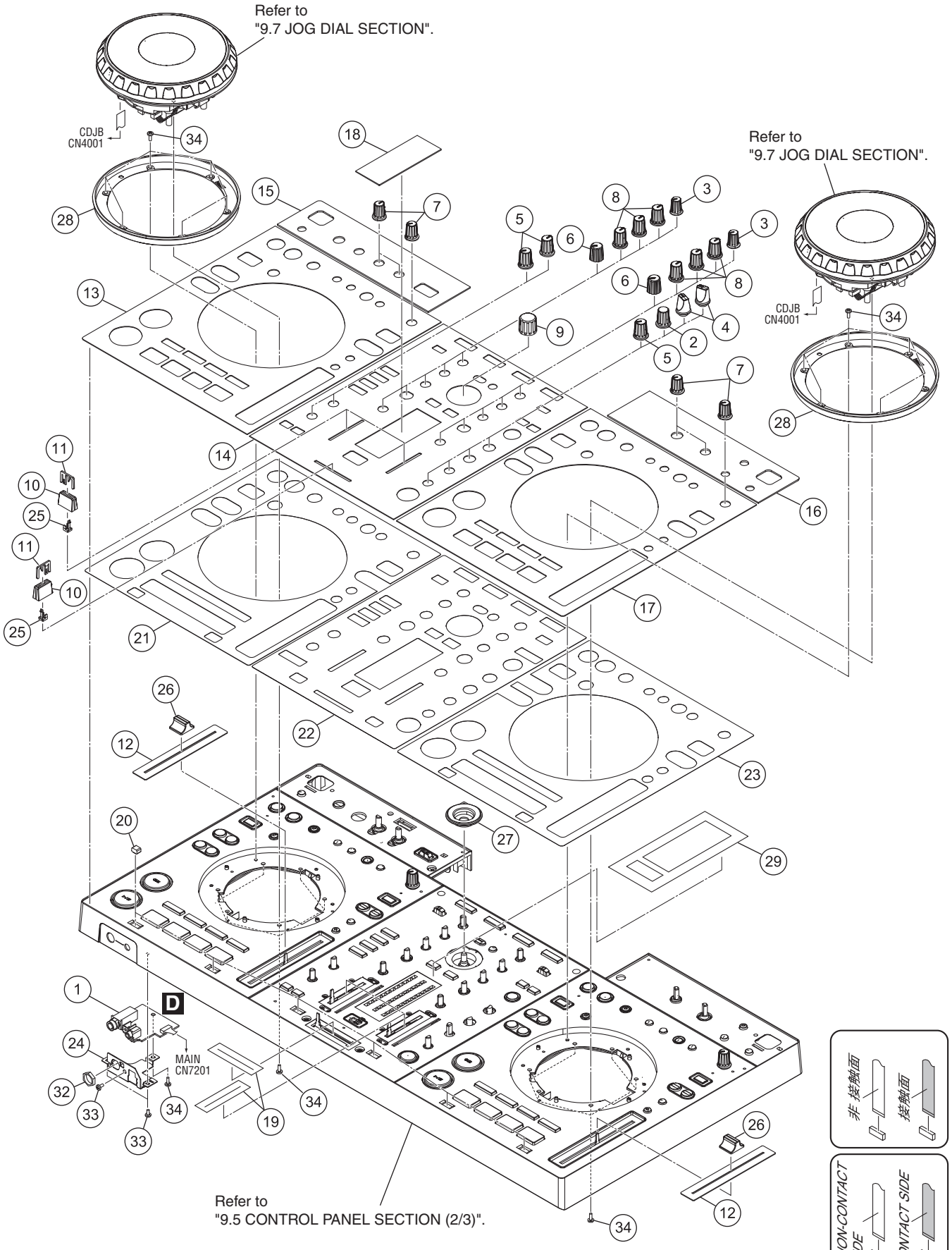
9.4 CONTROL PANEL SECTION (1/3)



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CONTROL PANEL SECTION (1/3) SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	HPJB Assy	DWX3633
	2	Rotary SW Knob (C)	DAA1180
	3	Rotary SW Knob S (C)	DAA1204
	4	FX SEL Knob	DAA1213
	5	Rotary Knob (BN)	DAA1220
	6	Knob/CL	DAA1320
	7	Knob/LBK	DAA1284
	8	Knob/RSW	DAA1305
	9	Knob/BRS	DAA1342
	10	Slider Knob 1	DAC2684
	11	Slider Knob 2	DAC2685
	12	Slide Sheet 1C	DAH2404
	13	Plate/DC1	DAH3009
	14	Plate/MIX	DAH3010
	15	Panel/PM1	DAH3011
	16	Panel/PM2	DAH3012
	17	Plate/DC2	DAH3014
	18	Panel/LVL	DAH3016
	19	Fader Packing	DEC3355
	20	Gasket/JOG	DEC3562
	21	DS Tape/DC1	DEH1061
	22	DS Tape/MIX	DEH1062
	23	DS Tape/DC2	DEH1063
	24	Stay/HP	DNH3182
	25	Slider Knob Stopper	DNK5888
	26	Knob/SLD	DNK5981
	27	Ring/BRS	DNK6312
	28	Ring/JOG	DNK6396
	29	DS Tape	DEH1066
	30	•••••	
	31	•••••	
	32	Nut M12	DBN1018
	33	Screw	BBZ30P060FTC
	34	Screw	BPZ30P080FNI

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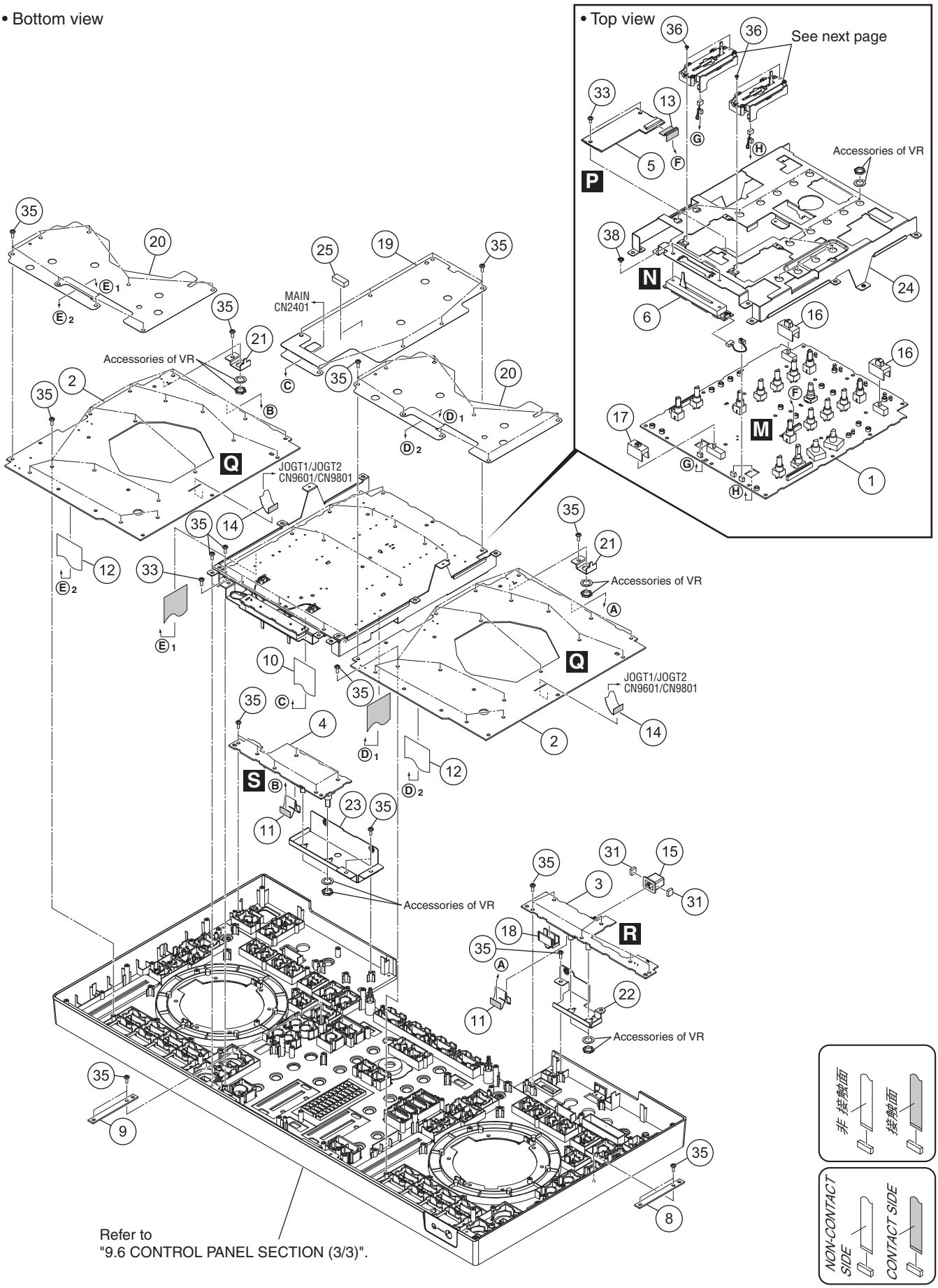
9.5 CONTROL PANEL SECTION (2/3)



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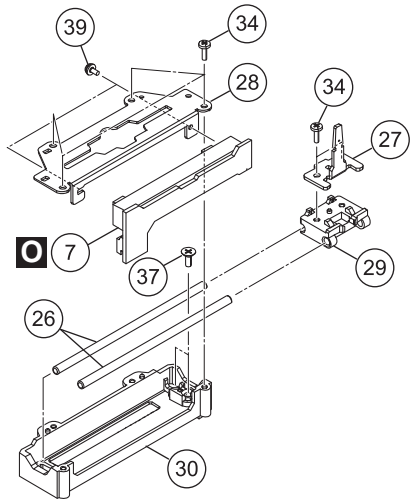
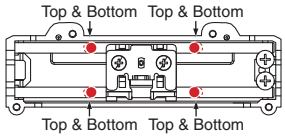


Lubricating oil (GYA1001)



Note:
Greasing must be performed at a total of 8 points, 2 points each for the upper and bottom places of each shaft. (0.4 to 1 mg per point × 8 points) After applying grease, move the slider base back and forth from one end to the other for approximately 10 to 20 strokes, in order to fully spread the grease.

CONTROL PANEL SECTION (2/3) SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	MIXB Assy	DWX3613
	2	CDJB Assy	DWX3614
	3	PNL1 Assy	DWX3628
	4	PNL2 Assy	DWX3629
	5	LLED Assy	DWX3638
	6	CRFB Assy	DWX3626
	7	CHF1 Assy	DWX3624
	8	HLD1 Assy	DWX3645
	9	HLD2 Assy	DWX3646
	10	FFC/35P	DDD1683
	11	FFC/17P	DDD1684
	12	FFC/39P	DDD1687
	13	FFC/19P	DDD1689
	14	FFC/15P	DDD1691
	15	Power Knob	DAC2306
	16	Slide SW Cap	DAC2400
	17	Slide SW Cap (W)	DAC2401
	18	SW Cap	DAC2753
	19	Barrier/1	DEC3563
	20	Barrier/2	DEC3572
	21	VR Stay S	DNH2964
	22	Stay/MC2	DNH3189
	23	Stay/MST	DNH3190
	24	Stay/VR	DNH3191
	25	FFC Cushion	DEC3248
NSP	26	Guide Shaft (S)	DLA1918
	27	Lever Plate	DNH2954
	28	VR Stay	DNH2955
	29	Slider Base	DNK5851
	30	Shaft Holder	DNK5852
	31	Insulation Sheet	DEC3594
	32	•••••	
	33	Screw	BBZ30P060FTC
	34	Screw	BPZ20P060FTC
	35	Screw	BPZ30P080FNI
	36	Screw	BSZ20P040FTB
	37	Screw	CPZ26P080FTC
	38	Screw	IMZ30P040FTC
	39	Screw	PMH20P040FTC

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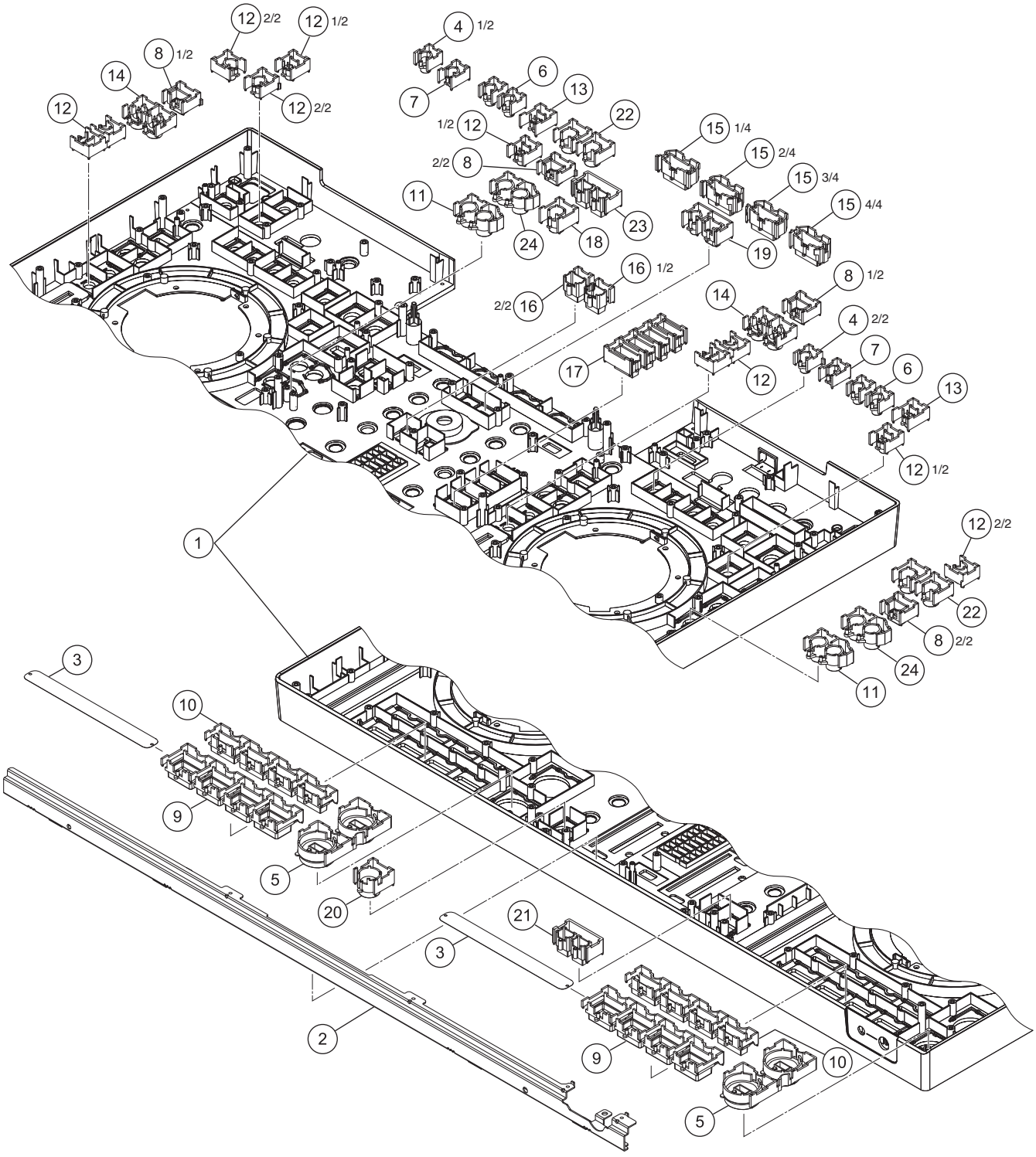
9.6 CONTROL PANEL SECTION (3/3)



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CONTROL PANEL SECTION (3/3) SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	Control Panel	DNK6393
	2	Frame/FRT	DNH3187
	3	Diffuser/BTN	DEC3582
	4	Button/TMP	DAC2845
	5	Button/PLY	DAC3018
	6	Button/CAL	DAC3020
	7	Button/DLT	DAC3021
	8	Button/RVL	DAC3023
	9	Button/HC	DAC3026
	10	Button/SEL	DAC3027
	11	Button/SRC	DAC3028
	12	Button/MT	DAC3029
	13	Button/REL	DAC3030
	14	Button/SYN	DAC3032
	15	Button/MOD	DAC3035
	16	Button/LOD	DAC3036
	17	Button/COL	DAC3037
	18	Button/TAP	DAC3038
	19	Button/BAC	DAC3039
	20	Button/EF	DAC3040
	21	Button/HPC	DAC3073
	22	Button/LOP	DAC3074
	23	Button/BEF	DAC3075
	24	Button/TSR	DAC3076

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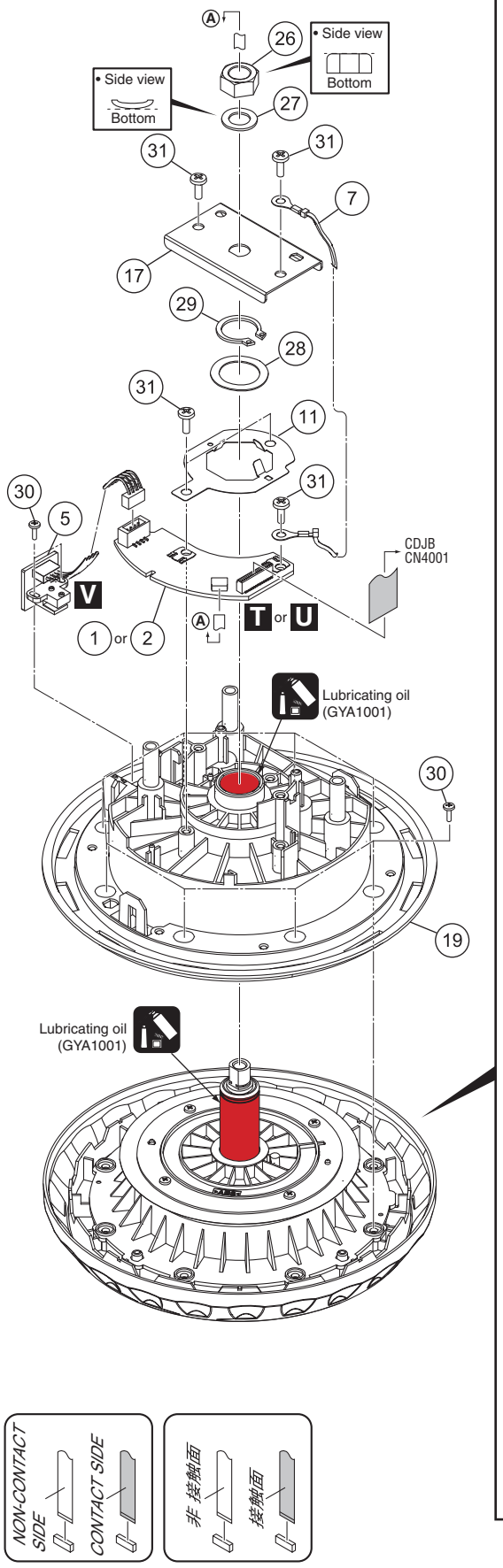
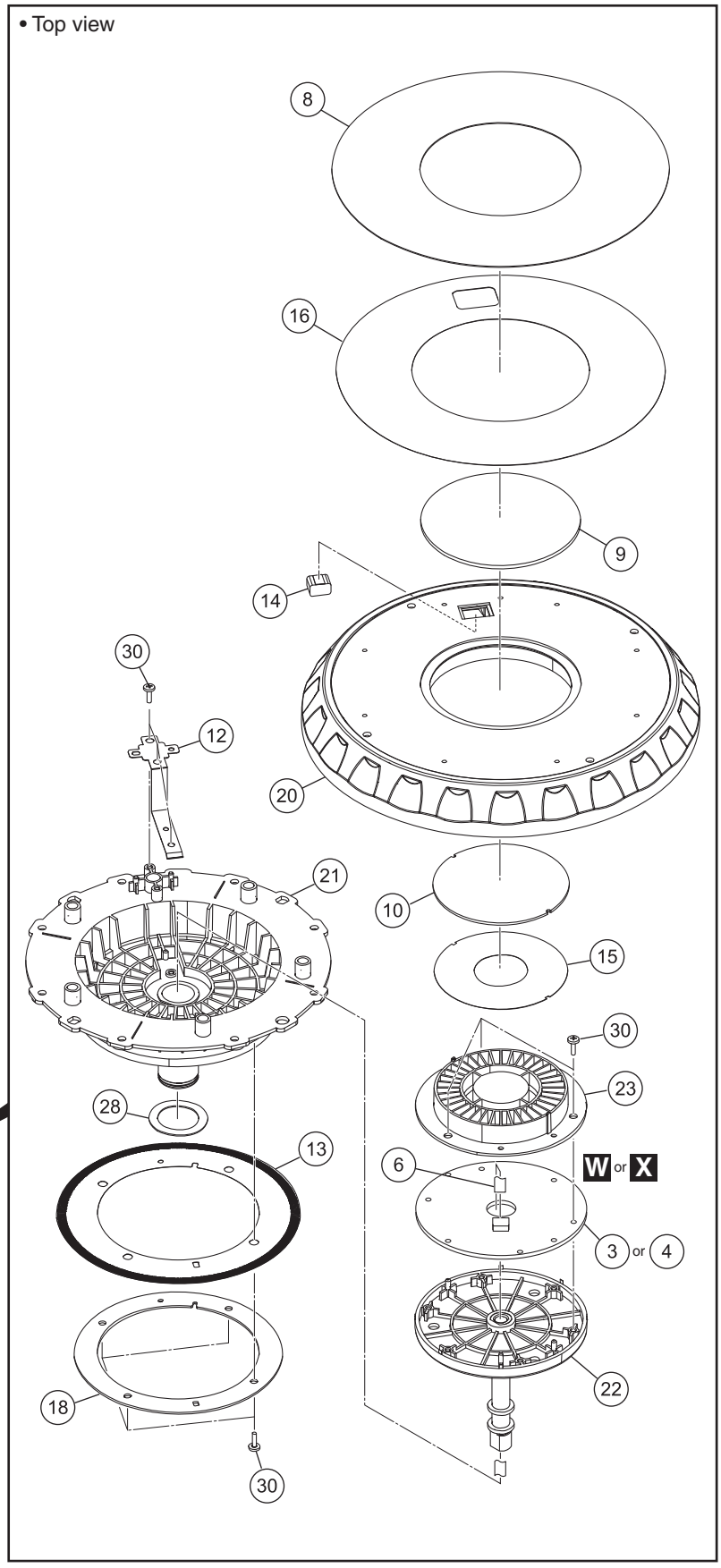
9.7 JOG DIAL SECTION

• Bottom view



• Top view



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JOG DIAL SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	JOGT1 Assy	DWX3618
	2	JOGT2 Assy	DWX3631
	3	JLED1 Assy	DWX3617
	4	JLED2 Assy	DWX3630
	5	JOGR1 Assy	DWX3619
	6	FFC/6P	DDD1690
	7	Earth Lead Unit	DE005VC0
	8	Plate/JOG	DAH3002
	9	Window/JOG	DAH3003
	10	Window	DAH3004
	11	Leaf Spring/1	DBK1383
	12	Leaf Spring/2	DBK1384
	13	Slit/JOG	DEC3515
	14	Gasket/JOG	DEC3562
	15	Diffuser/LED	DEC3575
	16	DS Tape/JOG	DEH1058
	17	Stay/LED	DNH3167
	18	Bracket/SLT	DNH3168
	19	Holder/JOG	DNK6371
	20	JOG Dial/OUT	DNK6372
	21	JOG Dial/IN	DNK6373
	22	Holder/LED	DNK6374
	23	Spacer/LED	DNK6375
	24	•••••	
	25	•••••	
	26	Nut	NA80FTC
	27	Spring Washer	WN80FTC
	28	Washer	WA154D225D050
	29	Washer	YC150FAC
	30	Screw	BPZ20P060FTC
	31	Screw	BPZ30P080FNI

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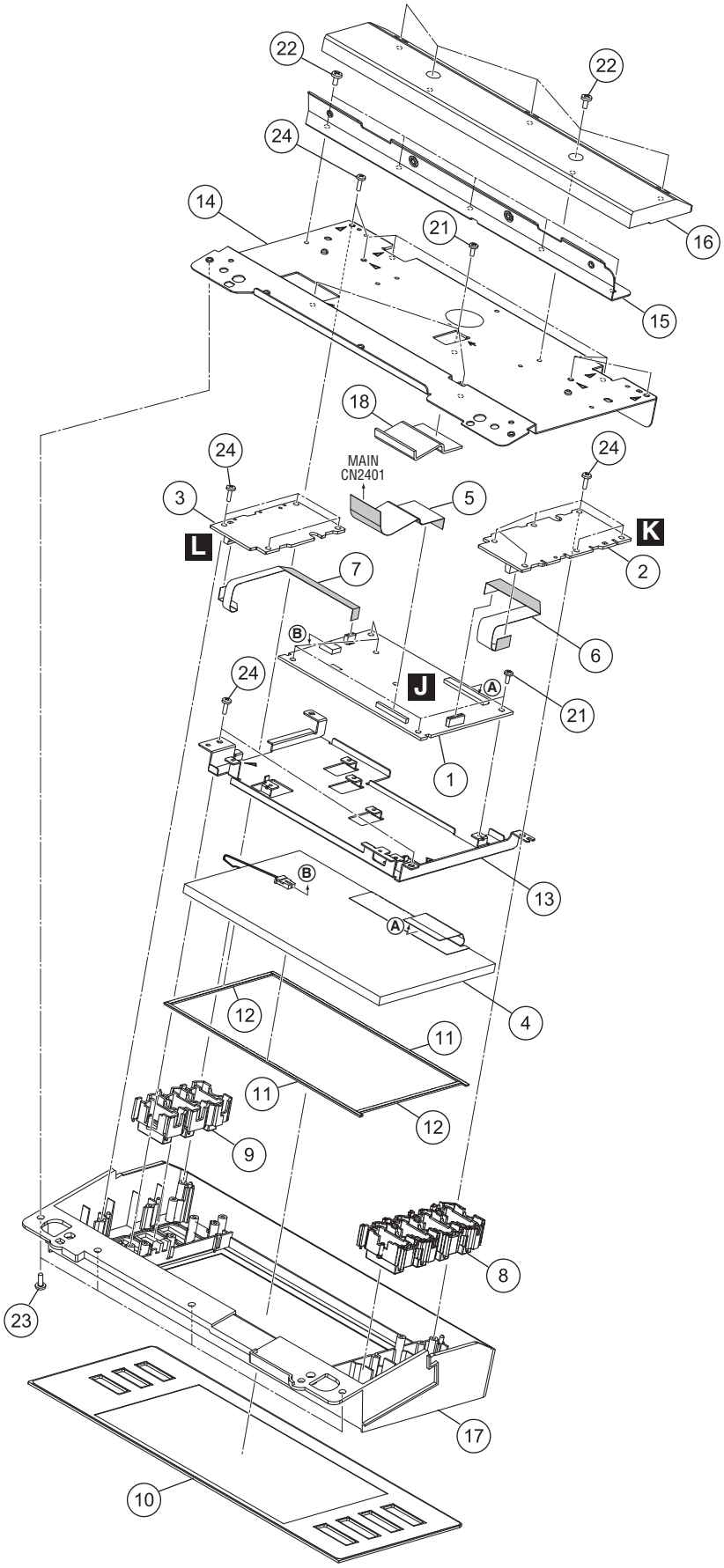
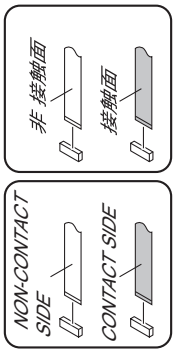
9.8 LCD SECTION

• Bottom view





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LCD SECTION PARTS LIST

Mark No.	Description	Part No.
1	EXTB Assy	DWX3622
2	DPNL1 Assy	DWX3634
3	DPNL2 Assy	DWX3635
4	TFT LCD	CWX4352
5	FFC/50P	DDD1686
6	FFC/11P	DDD1692
7	FFC/5P	DDD1693
8	Button/DIV	DAC3041
9	Button/TIM	DAC3042
10	Window/LCD	DAH3008
11	Packing/L	DEC3568
12	Packing/S	DEC3569
13	Stay/LCD	DND1282
14	Bracket/LCD	DND1283
15	Angle/LCD	DNH3186
16	Panel/BTM	DNK6388
17	Panel/LCD	DNK6389
18	Insulating Sheet/LCD	DEC3583
19	•••••	
20	•••••	
21	Screw	BBZ26P060FTB
22	Screw	BBZ30P060FTB
23	Screw	BBZ30P080FTC
24	Screw	BPZ26P080FTC

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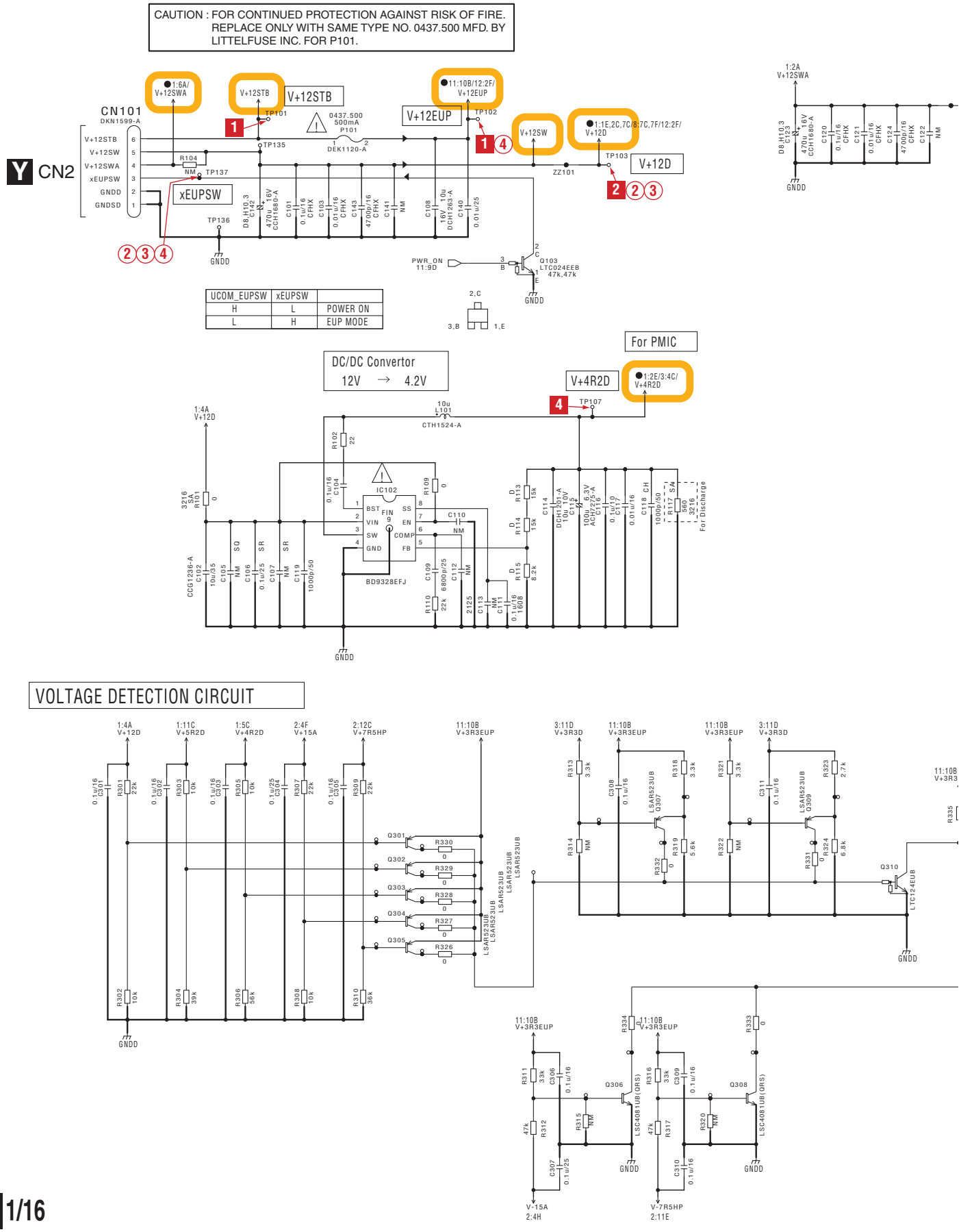
10. SCHEMATIC DIAGRAM

10.1 MAIN ASSY (1/16)



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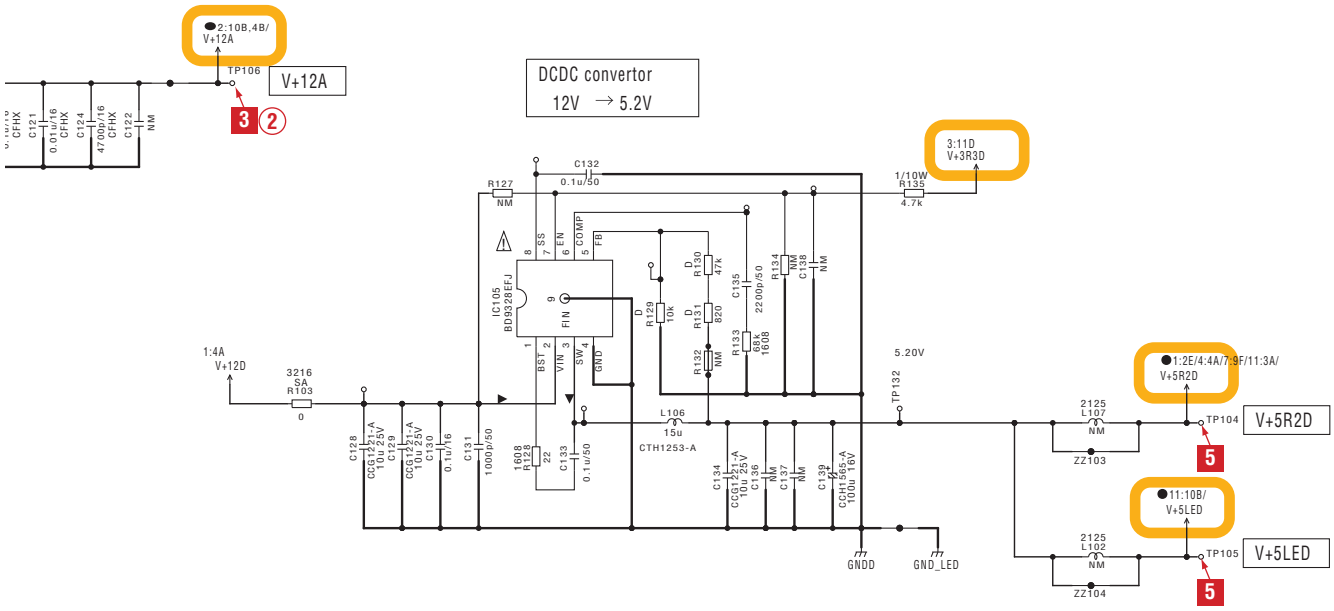
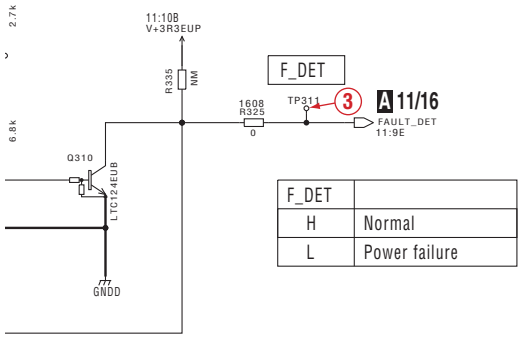
A 1/16 MAIN ASSY (DWX3590)





F_DET	
H	Normal
L	Power failure

*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

NOTES
NM is No Mount
RAB4CQ***J
RS1/16SS***J
RS1/10SR***J
RS1/8SQ***J
RS1/4SA***J
RS1/10SR****D,
or RS1/16SS****D
RS1/10SR****F,
or RS1/16SS****F
RN1/16SS****D
CKSSYB***K
CKSRYB***K
CKSQYB***K
CCSSCH***J
CCSSCH***J
CRVW***M

The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

⚠ 印の部品は、安全上重要な部品です。
交換するときは、安全および性能維持のため
必ず指定の部品をご使用ください。

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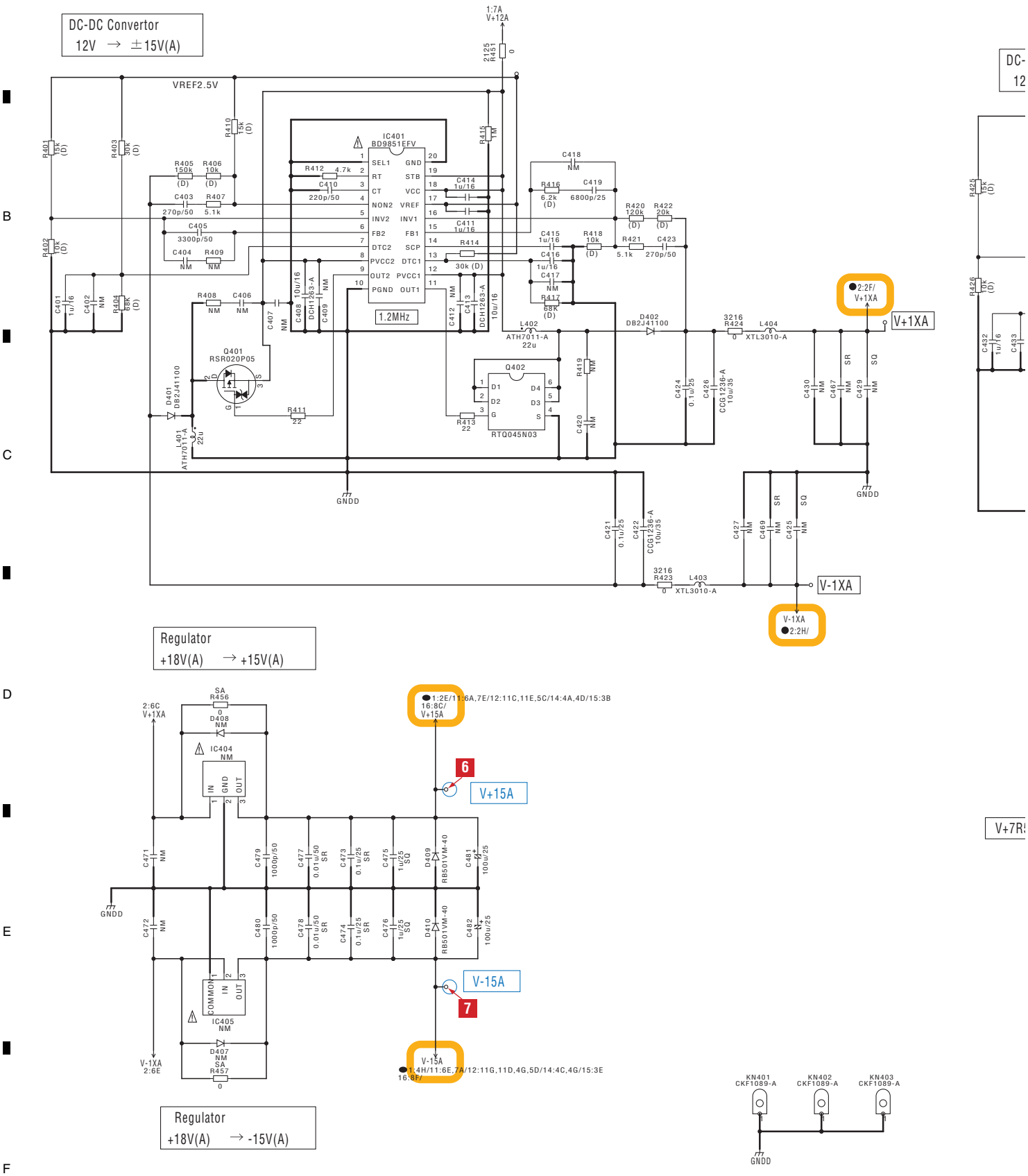
10.2 MAIN ASSY (2/16)



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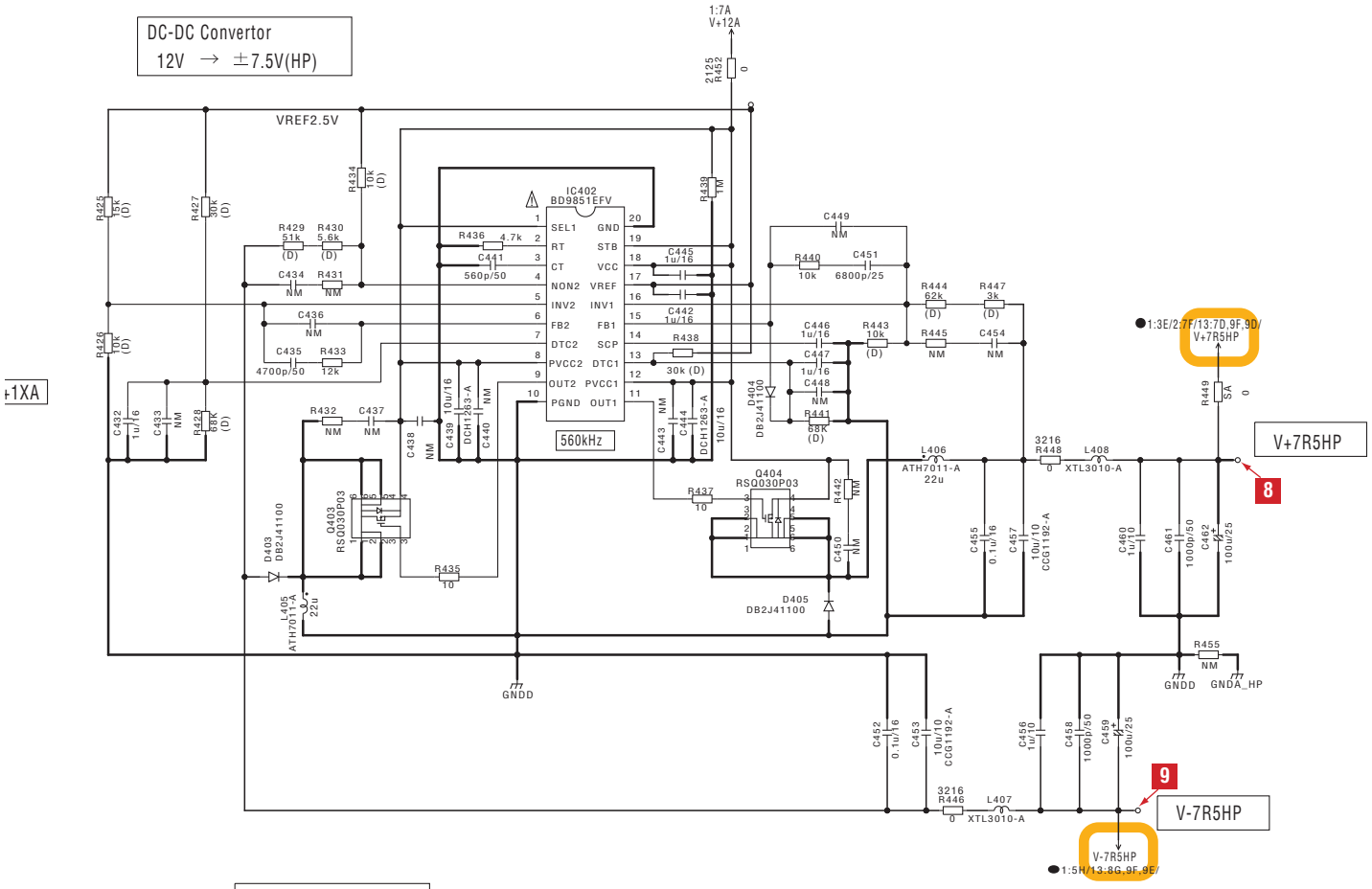

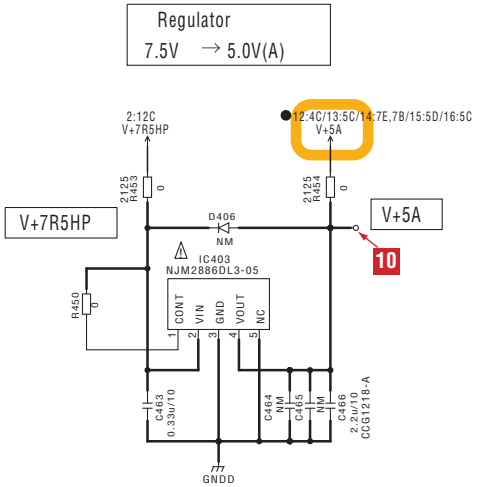

NOTES
NM is No Mount

	RAB4CQ***J		CKSSYB***K, CKSRYB***K, CKSQYB***K
	RS1/16SS***J, RS1/10SR***J, RS1/8SQ***J, RS1/4SA***J	CH	CCSSCH***J, CCSRCH***J
D	RS1/10SR****D, or RS1/16SS****D		
F	RS1/10SR****F, or RS1/16SS****F		
RN	RN1/16SE****D		CRVM****M

*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

⚠ 印の部品は、安全上重要な部品です。
交換するときは、安全および性能維持のため
必ず指定の部品をご使用ください。

***** The check point for service. (Legend silk indication on the PCB.)

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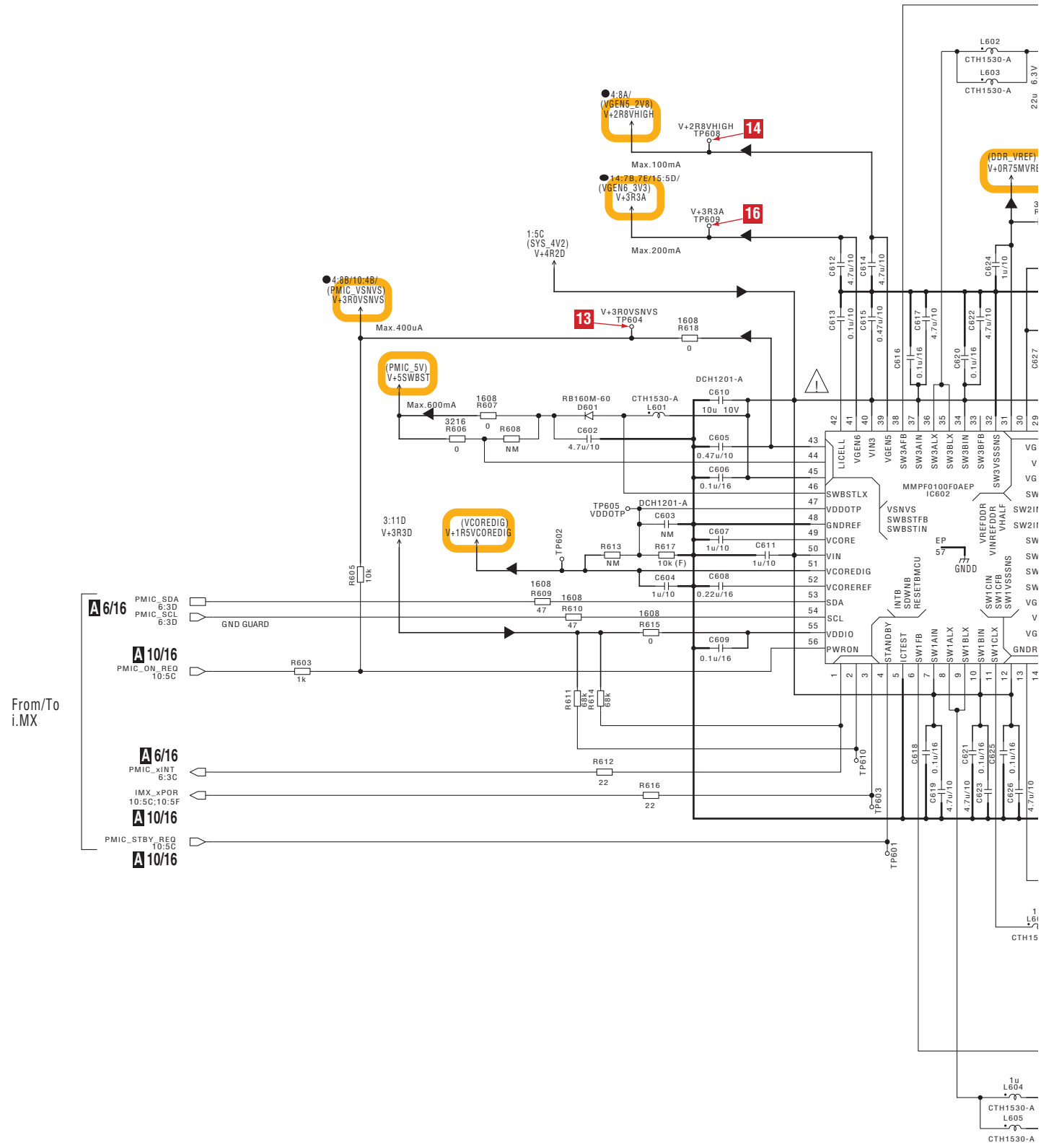
10.3 MAIN ASSY (3/16)



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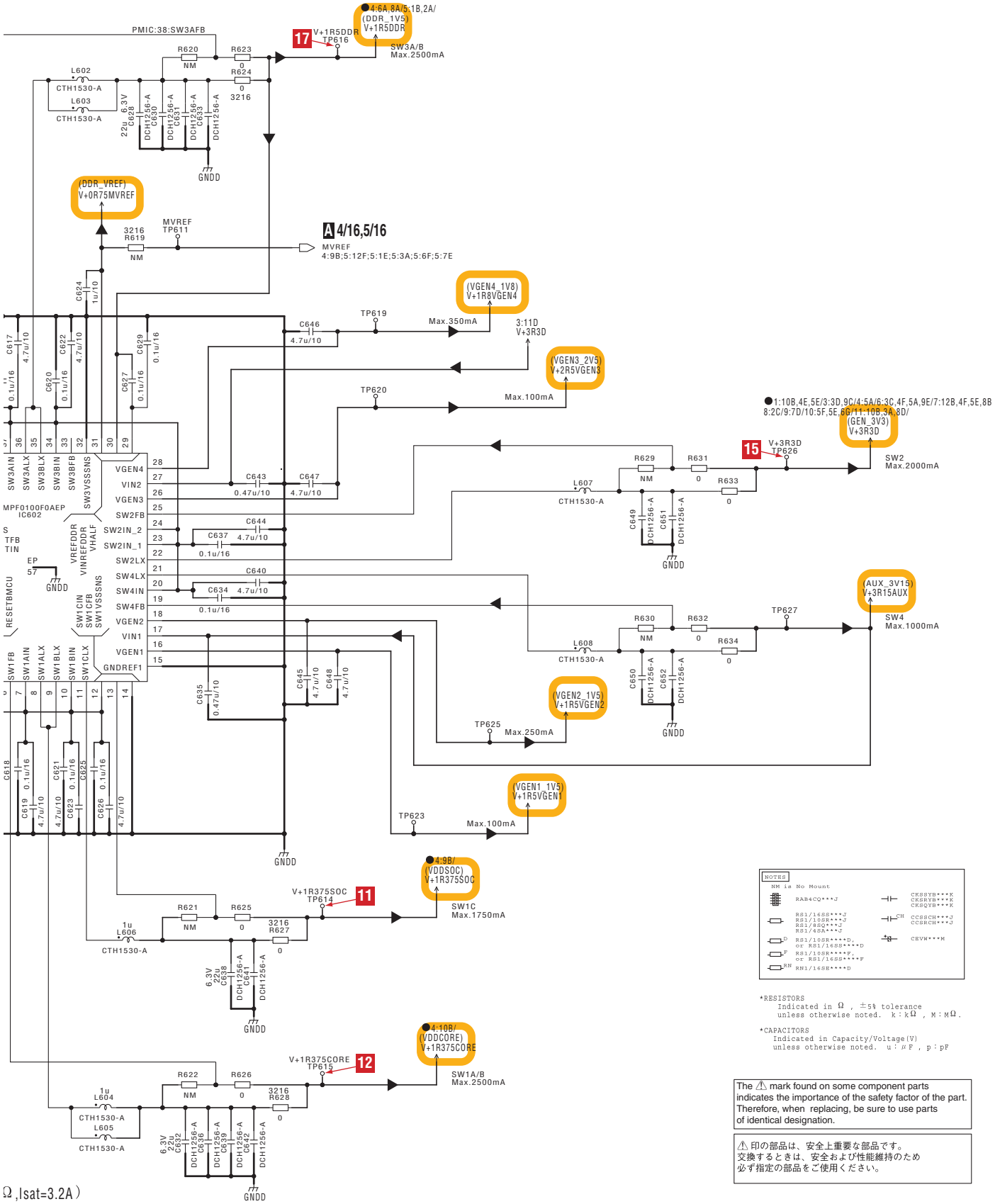

NOTES

NM is No Mount

RAB4CQ***J

RS1/16SS***J
RS1/10SR***J
RS1/8SQ***J
RS1/4SA***J

RS1/10SR****D, or RS1/16SS****D

RS1/10SR****F, or RS1/16SS****F

RN1/16SE****D

CKSSYB***K
CKSRYB***K
CKSQYB***K

CCSSCH***J
CCSRCH***J

CRVH***M

*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

⚠ 印の部品は、安全上重要な部品です。
交換するときは、安全および性能維持のため
必ず指定の部品をご使用ください。

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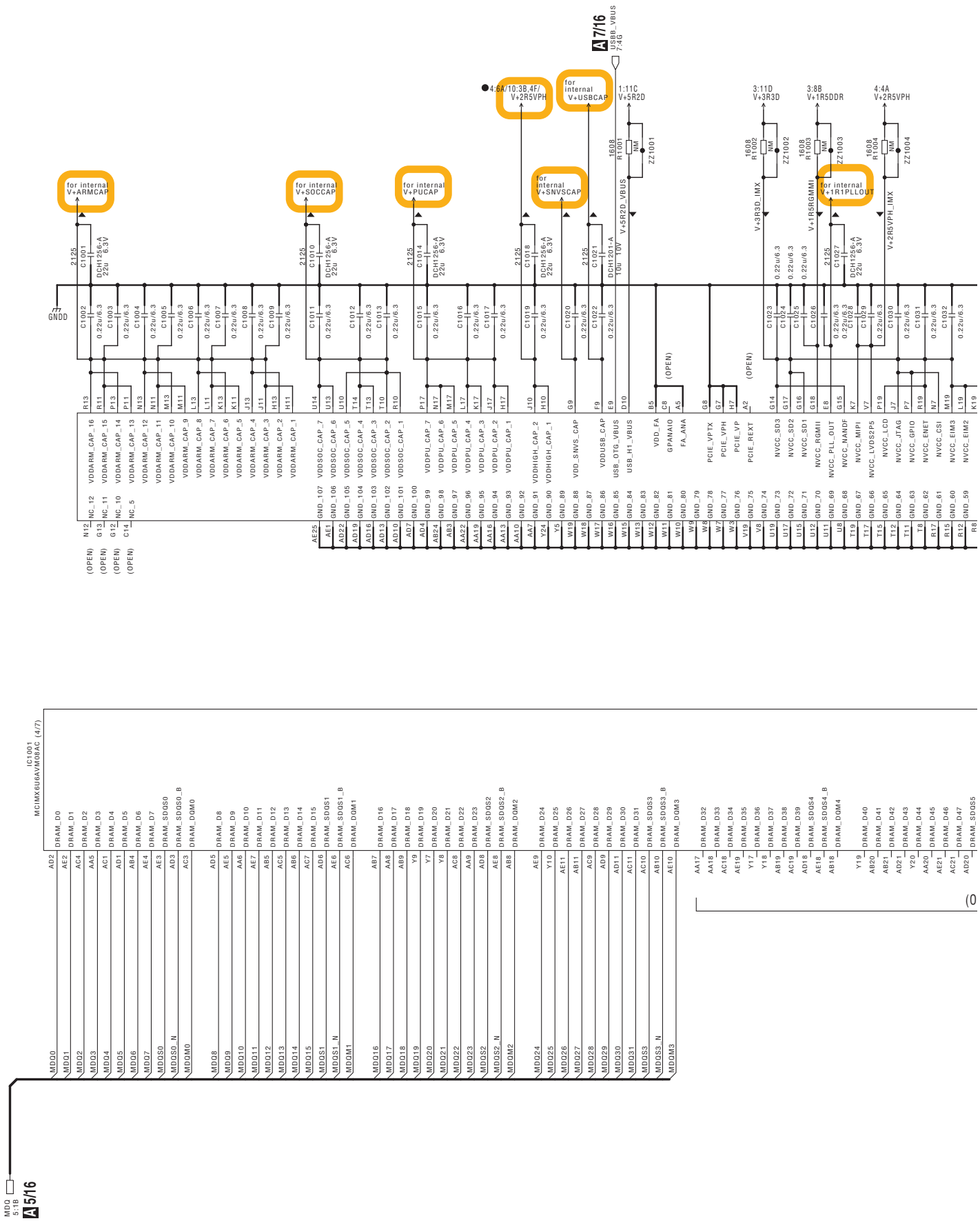
10.4 MAIN ASSY (4/16)



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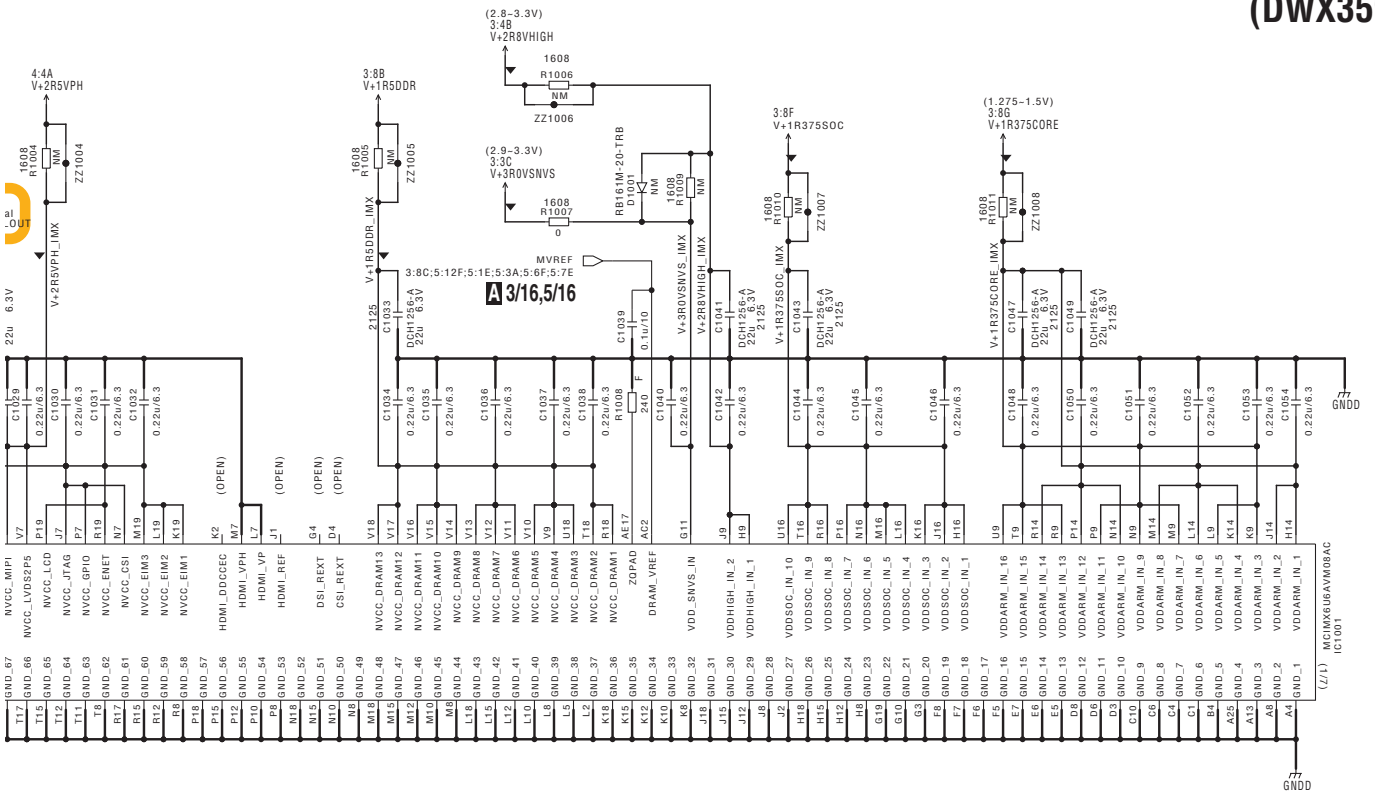
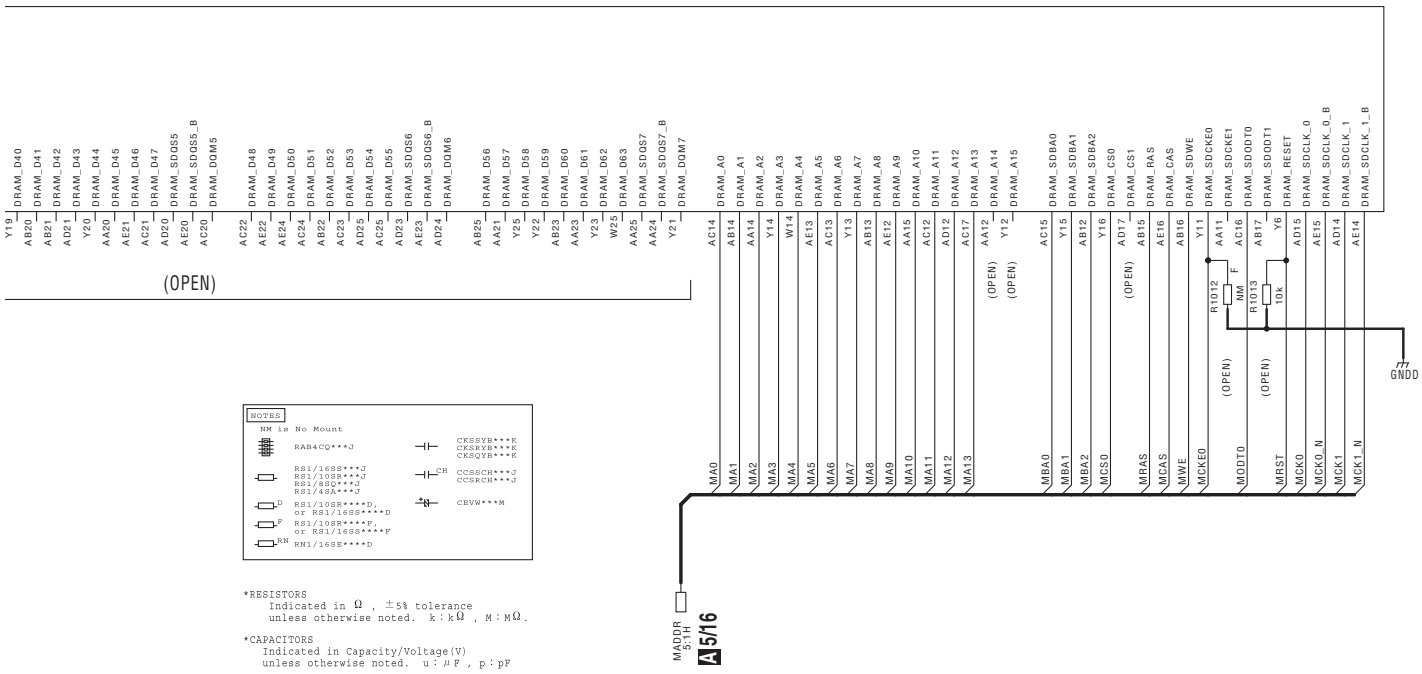
A 4/16 MAIN ASSY (DWX3590)





NOTES
NM is No Mount
RAB4CQ***J
RS1/16SS***J
RS1/10SS***J
RS1/8SQ***J
RS1/4SA***J
RS1/10SR****D, or RS1/16SS****D
RS1/10SR****F, or RS1/16SS****F
RN1/16SS****D
CKSSYB***K
CKSRYB***K
CKSQYB***K
CCSSCH***J
CCSRCH***J
CEVW***M

*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

A 4/16

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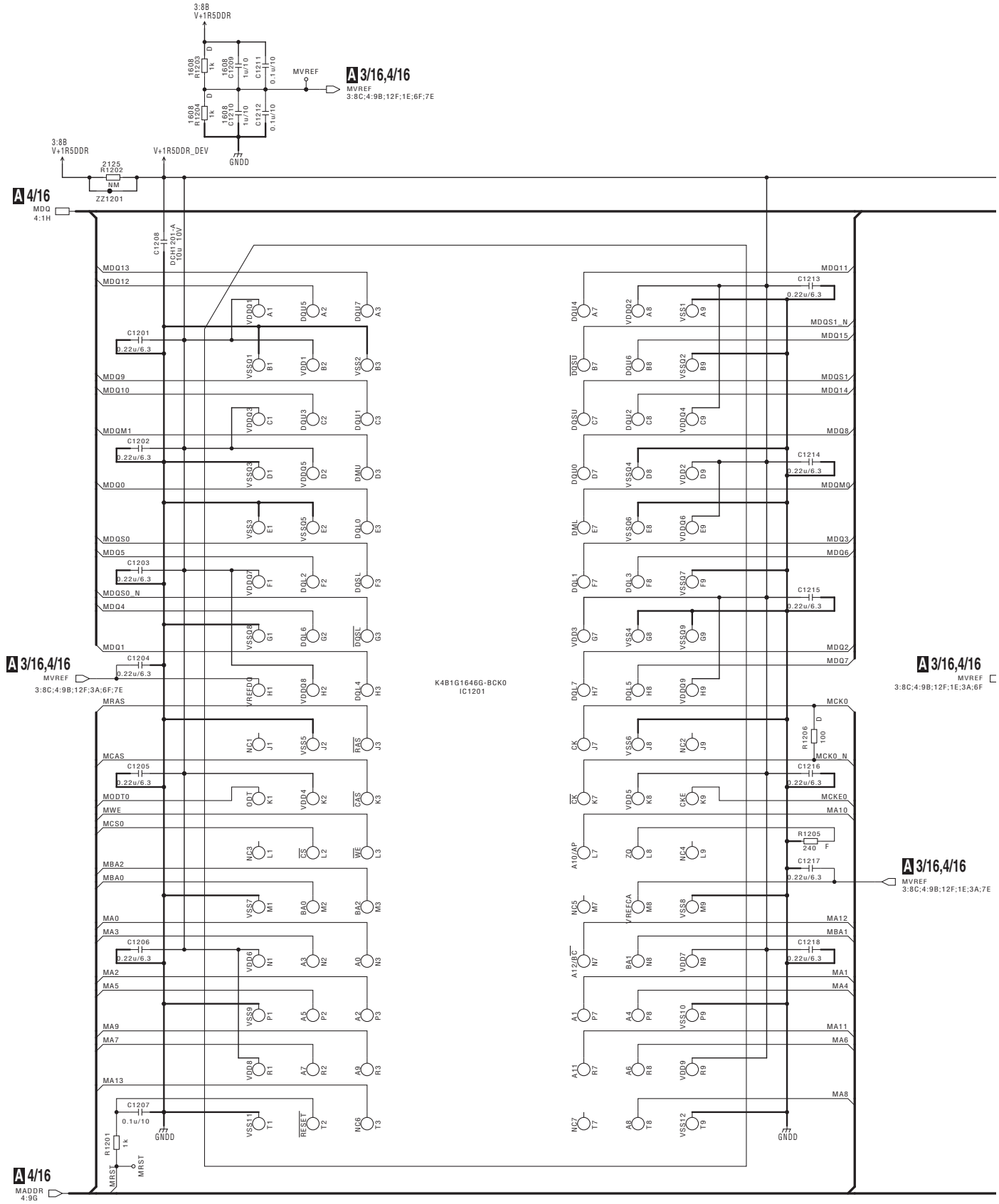
10.5 MAIN ASSY (5/16)



A 5/16

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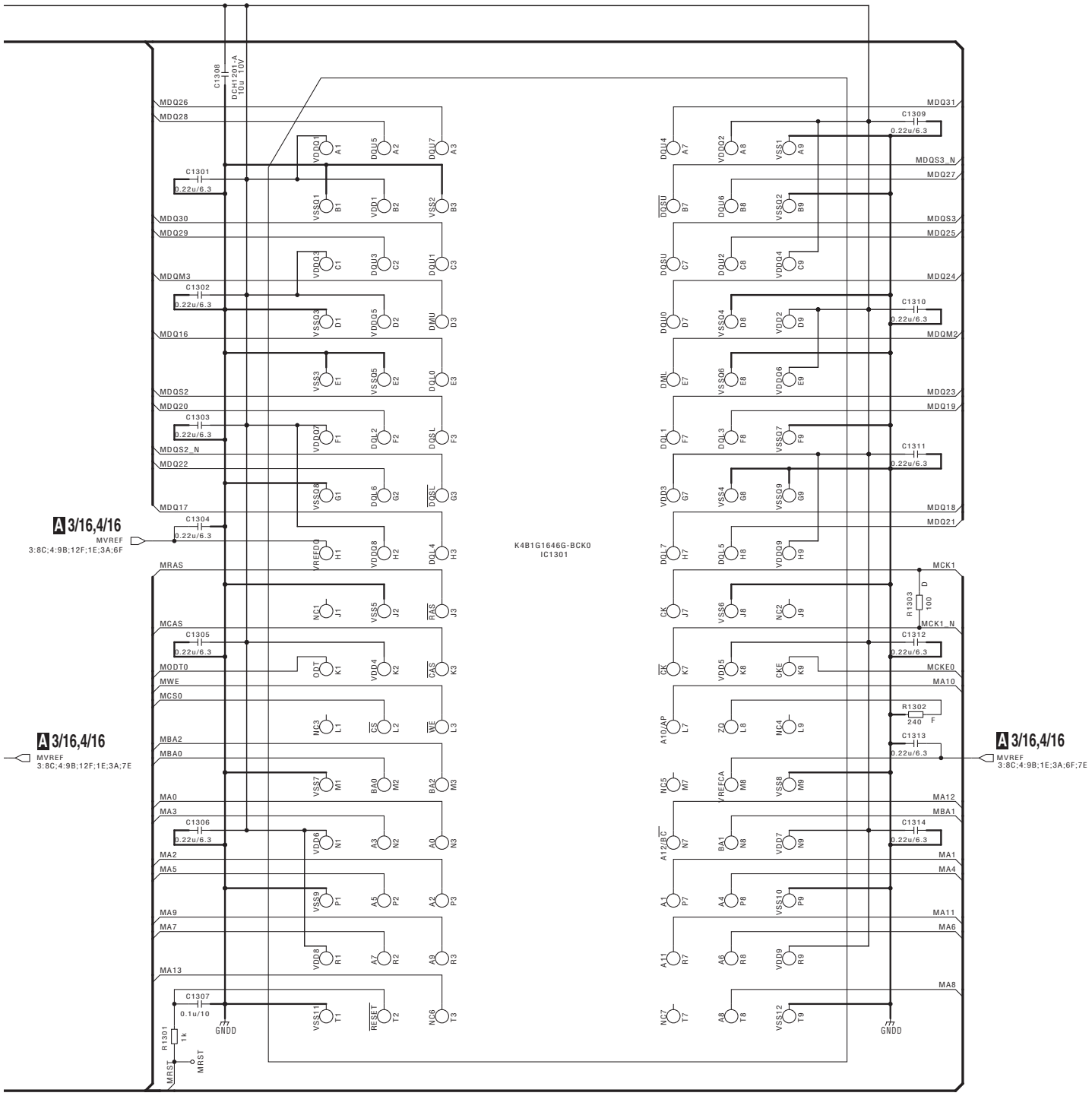
A 5/16 MAIN ASSY (DWX3590)



NOTES

NM is No Mount

RS1/16SS***J
RS1/10SR***J
RS1/8SQ***J
RS1/4SA***J

D RS1/10SR****D, or RS1/16SS****D

F RS1/10SR****F, or RS1/16SS****F

CKSSYB***K
CKSRYB***K
CKSQYB***K

CH CCSSCH***J
CCSRCH***J

CEVW***M

*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

A 5/16

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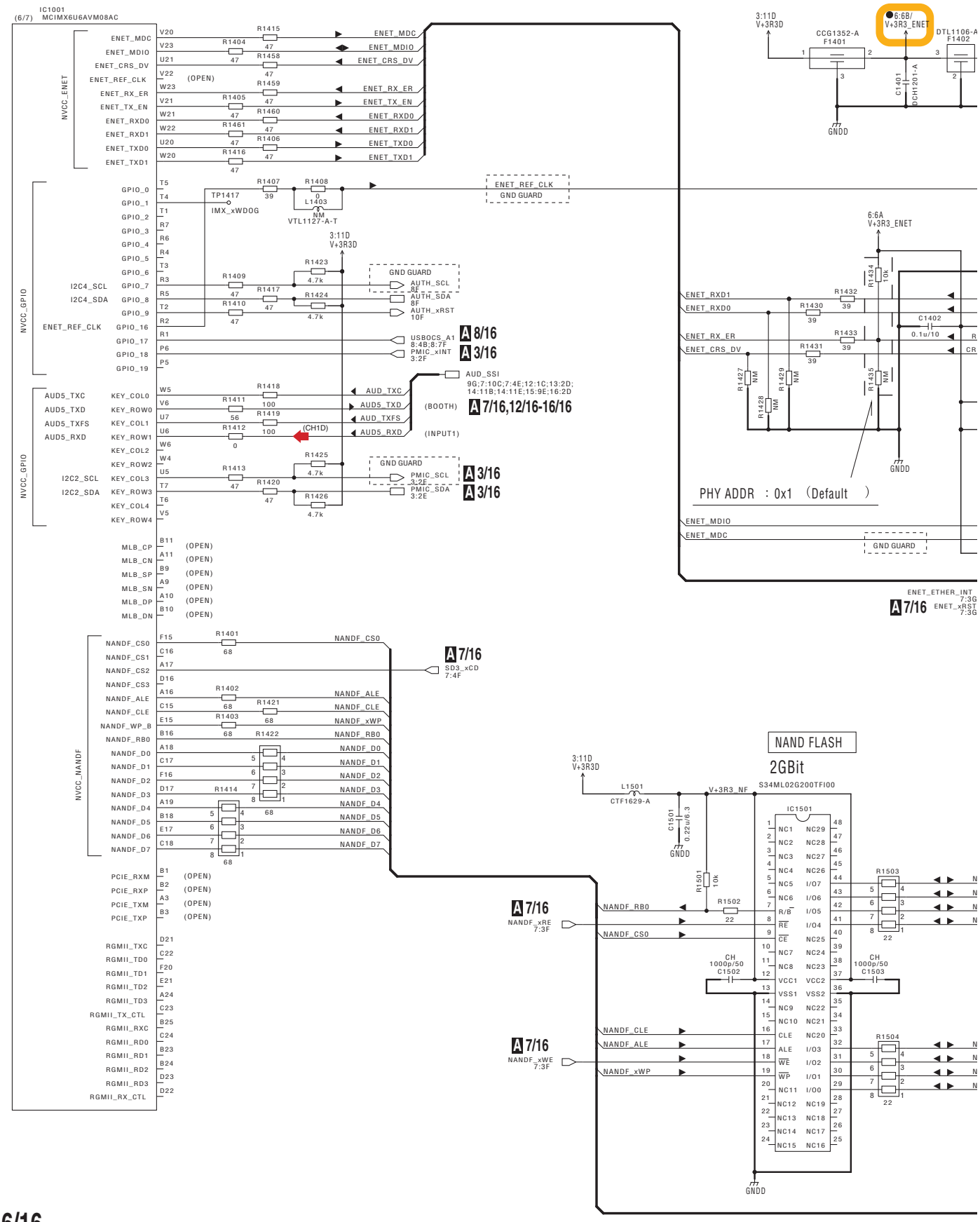
10.6 MAIN ASSY (6/16)



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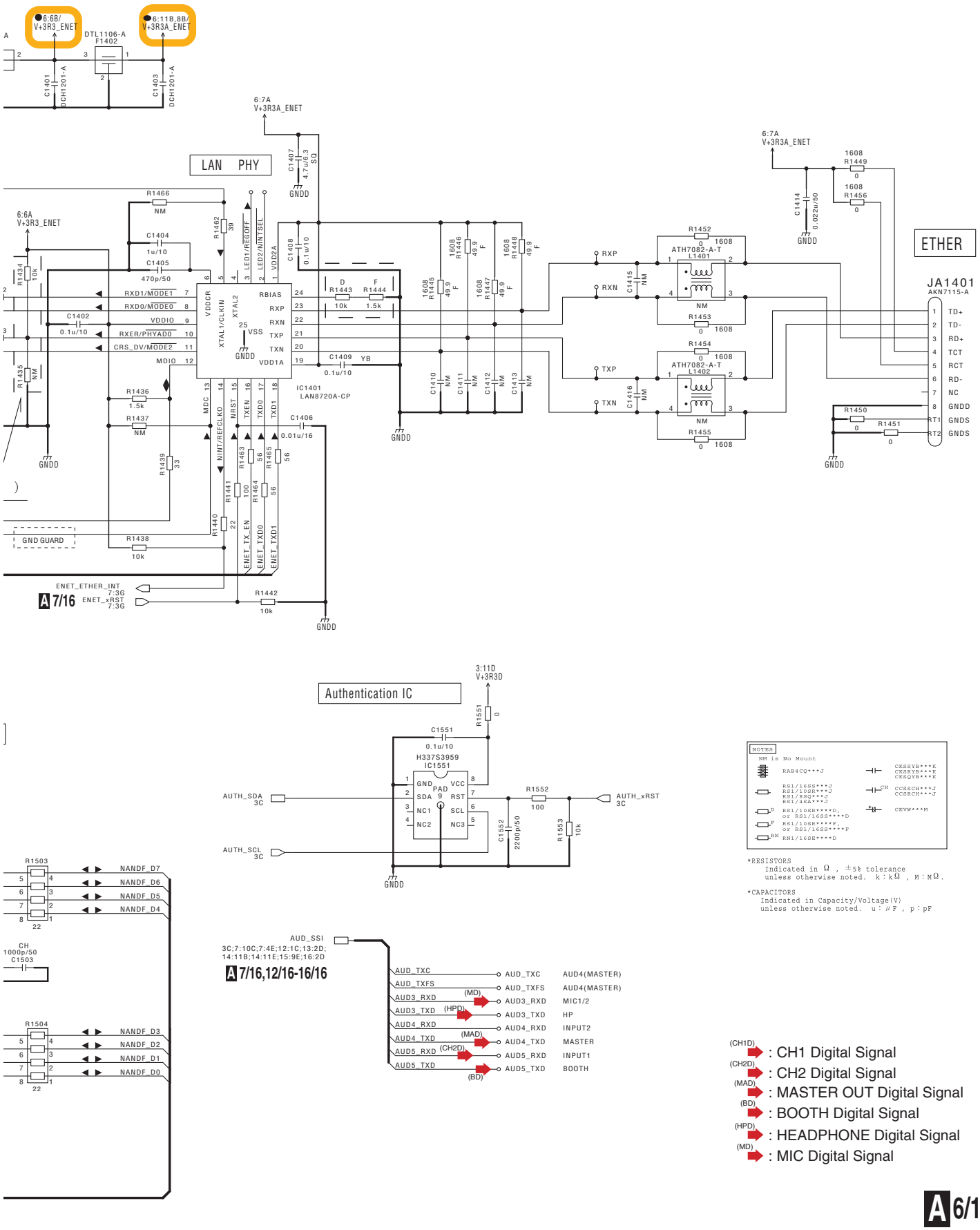

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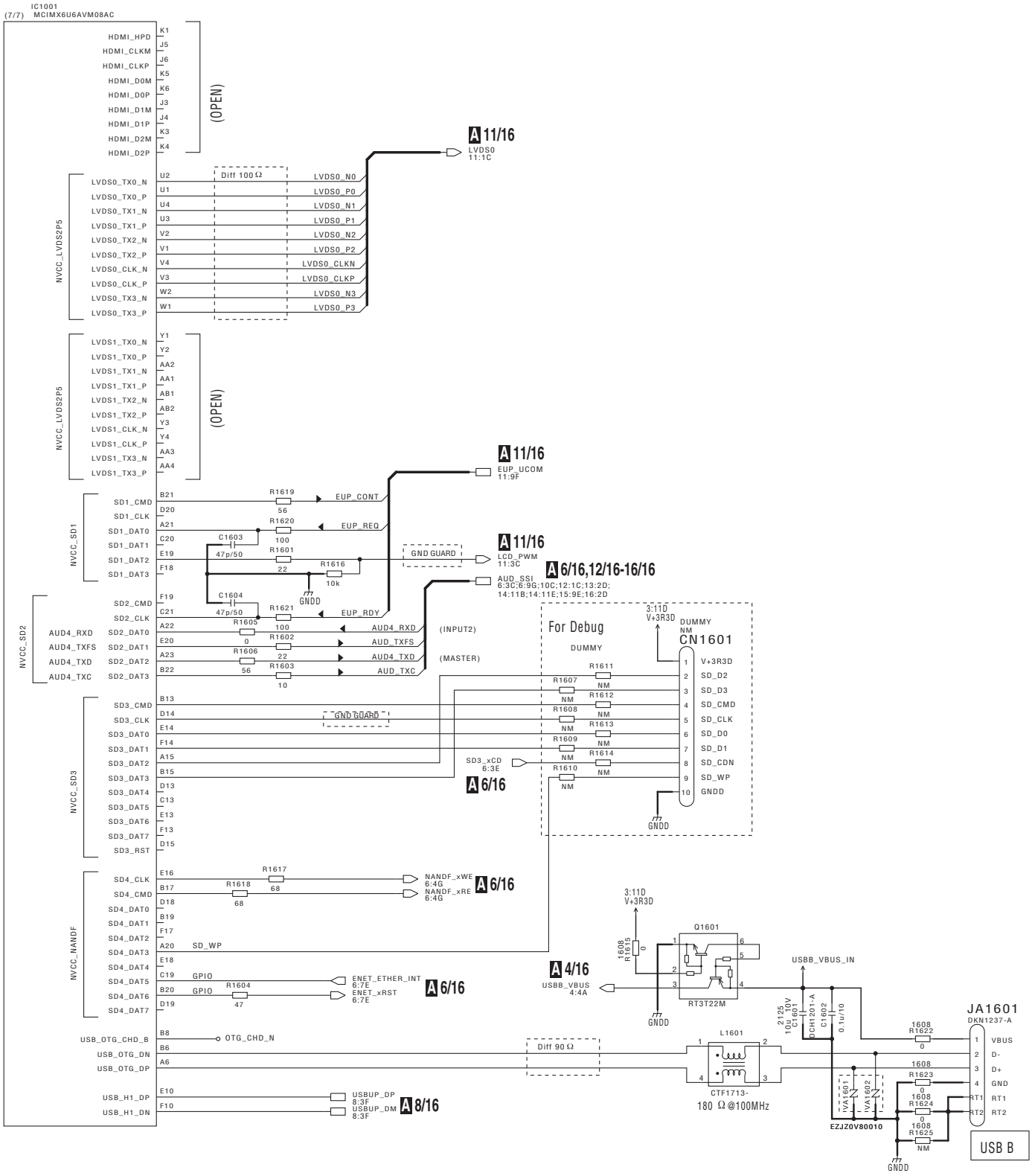
10.7 MAIN ASSY (7/16)



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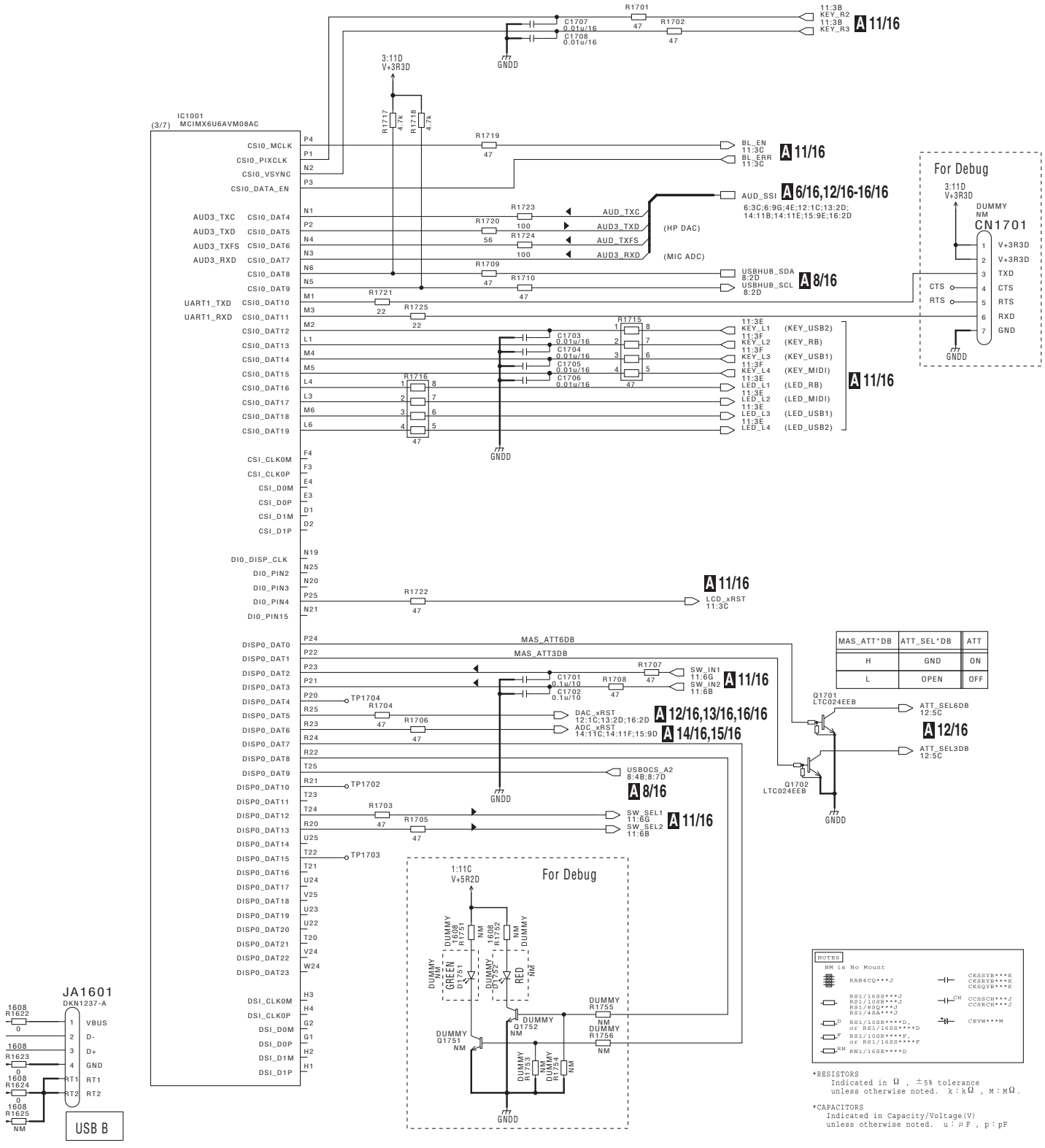
A 7/16 MAIN ASSY (DWX3590)



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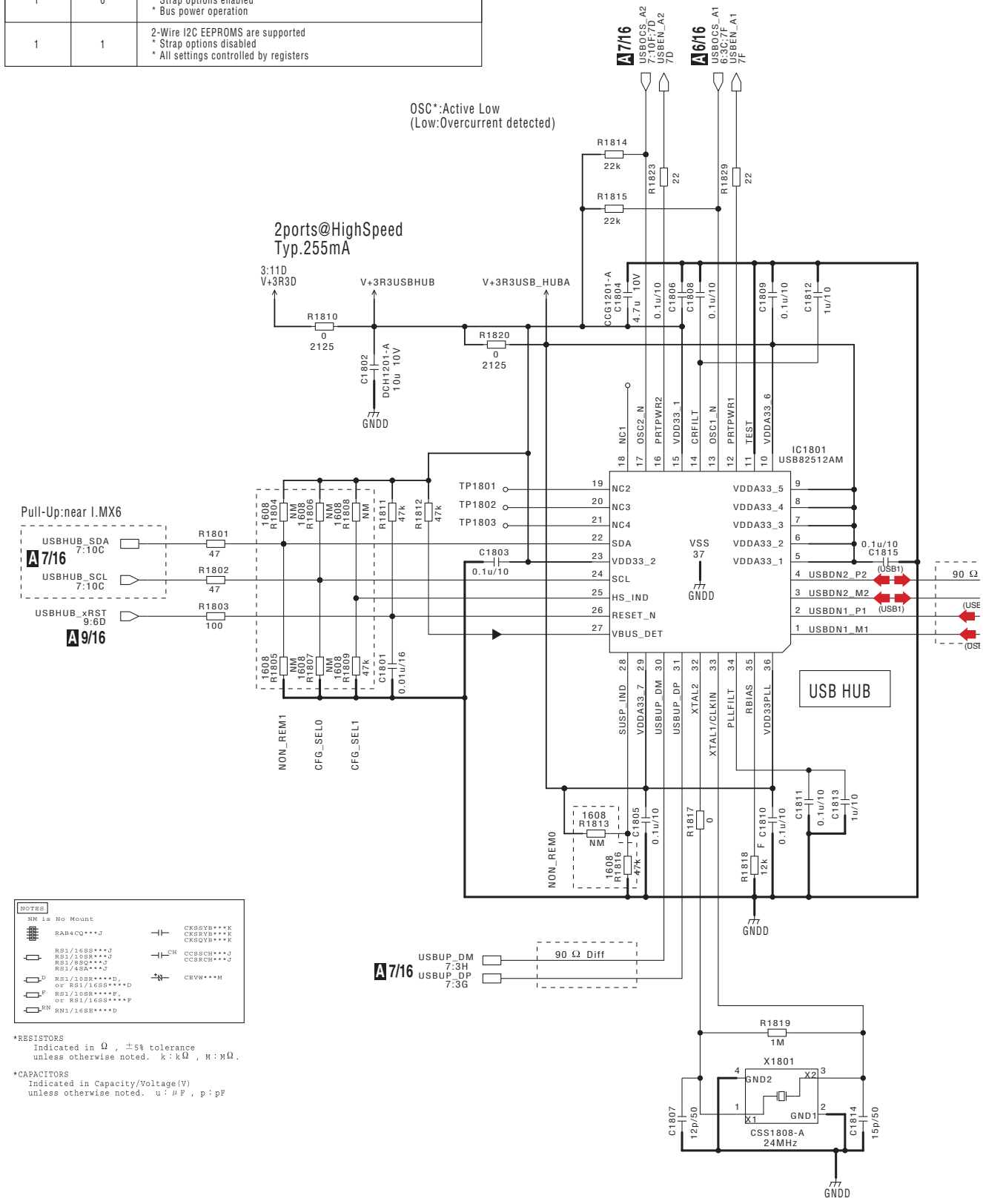
10.8 MAIN ASSY (8/16)

Mode Configuration

CFG_SEL1 25pin	CFG_SEL0 24pin	SMBUS OR EEPROM INTERFACE BEHAVIOR	
0	0	Internal default configuration * Strap options enabled * Self-powered operation enabled	Default
0	1	Configured as an SMBus slave for external download of userdefined descriptors. * SMBus slave address 58 (0101100x) * Strap options disabled * All settings controlled by registers	Select → Strap Options disabled
1	0	Internal default configuration * Strap options enabled * Bus power operation	
1	1	2-Wire I2C EEPROMS are supported * Strap options disabled * All settings controlled by registers	



A8/16

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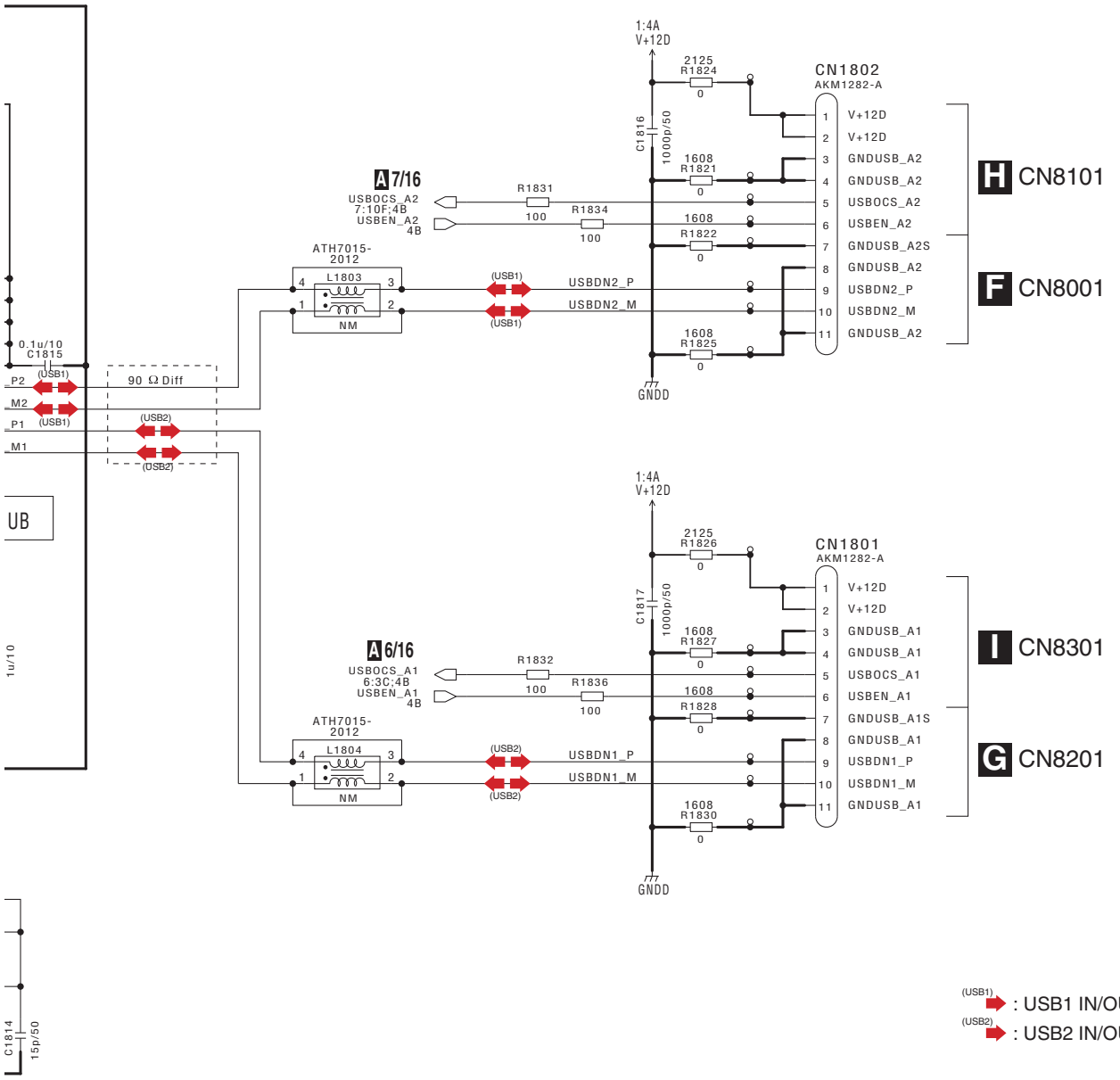

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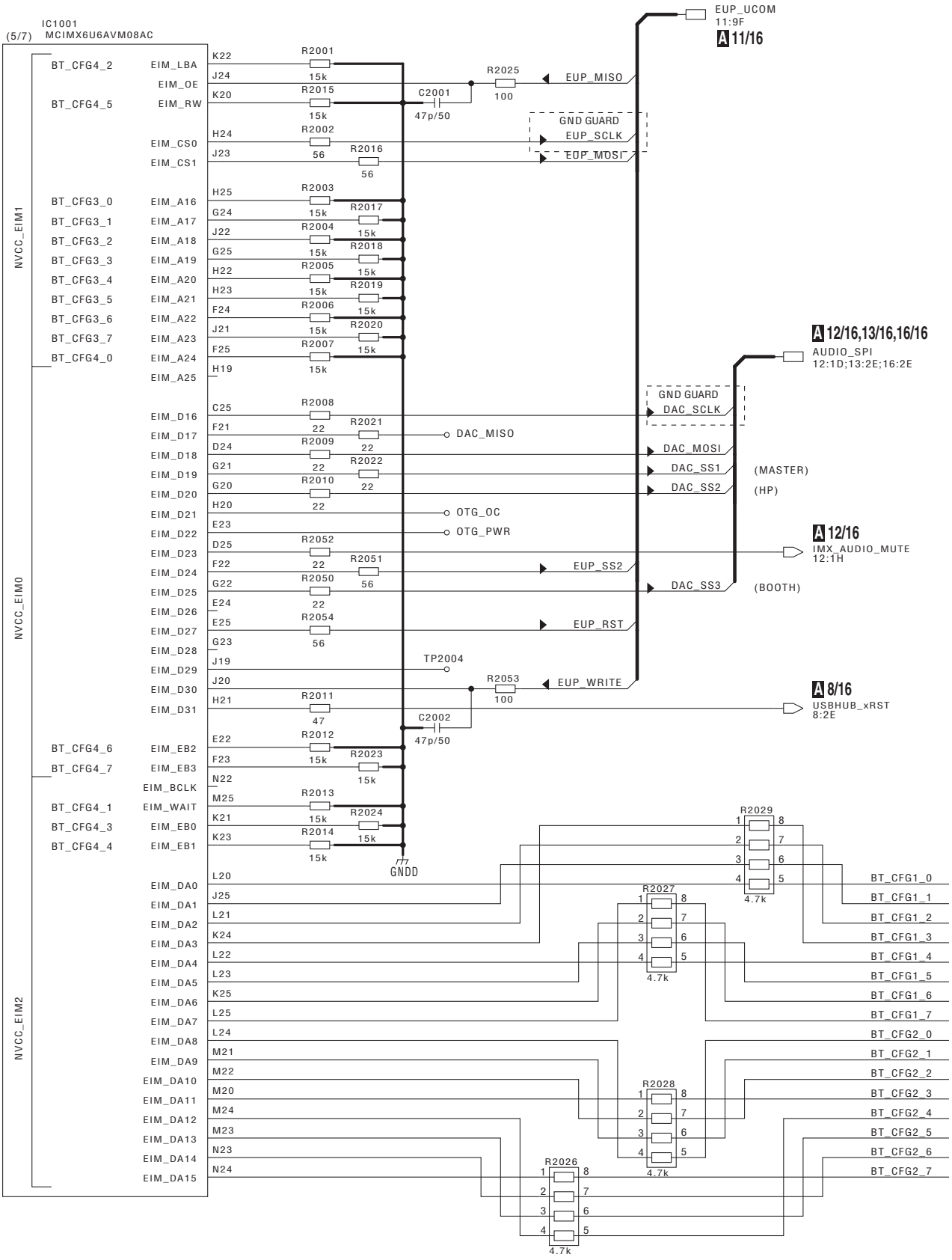
10.9 MAIN ASSY (9/16)



A 9/16

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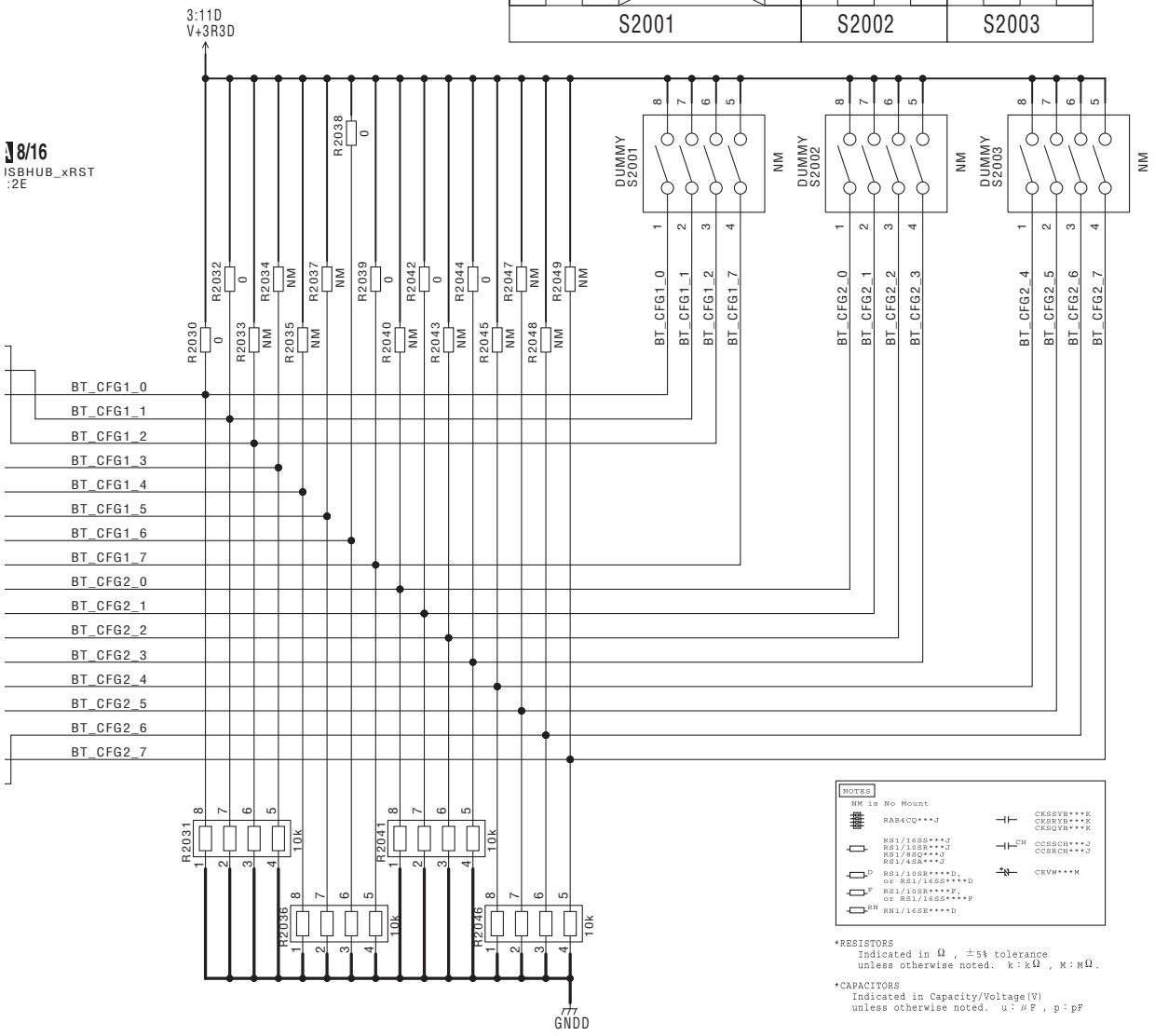
A 12/16,13/16,16/16
AUDIO_SPI
2:1D;13:2E;16:2E

A 12/16
MX_AUDIO_MUTE
2:1H

A 8/16
ISBHUB_xRST
:2E

For Boot Configuration

	BT_CFG1_								BT_CFG2_							
	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
NAND (2Gb)	H	H	L	L	X	L	X	H	L	H	L	H	L	L	L	L
SD CARD	L	L	H	L	L	L	H	L	L	L	L	L	H	H	L	L
	SW	SW	SW					SW	SW	SW	SW	SW	SW	SW	SW	SW
	1	2	3					4	1	2	3	4	1	2	3	4
	S2001								S2002				S2003			



NOTES
NM is No Mount
RAB4CQ***J
RS1/16SS***J
RS1/10SR***J
RS1/8SQ***J
RS1/4SA***J
RS1/10SR****D, or RS1/16SS****D
RS1/10SR****F, or RS1/16SS****F
RN1/16SR****D
CKSSYB***K
CKSSYB***K
CKSSYB***K
CCSSCH***J
CCSSRCH***J
CHVW****M

*RESISTORS
Indicated in Ω, ±5% tolerance unless otherwise noted. k: kΩ, M: MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V) unless otherwise noted. u: μF, p: pF

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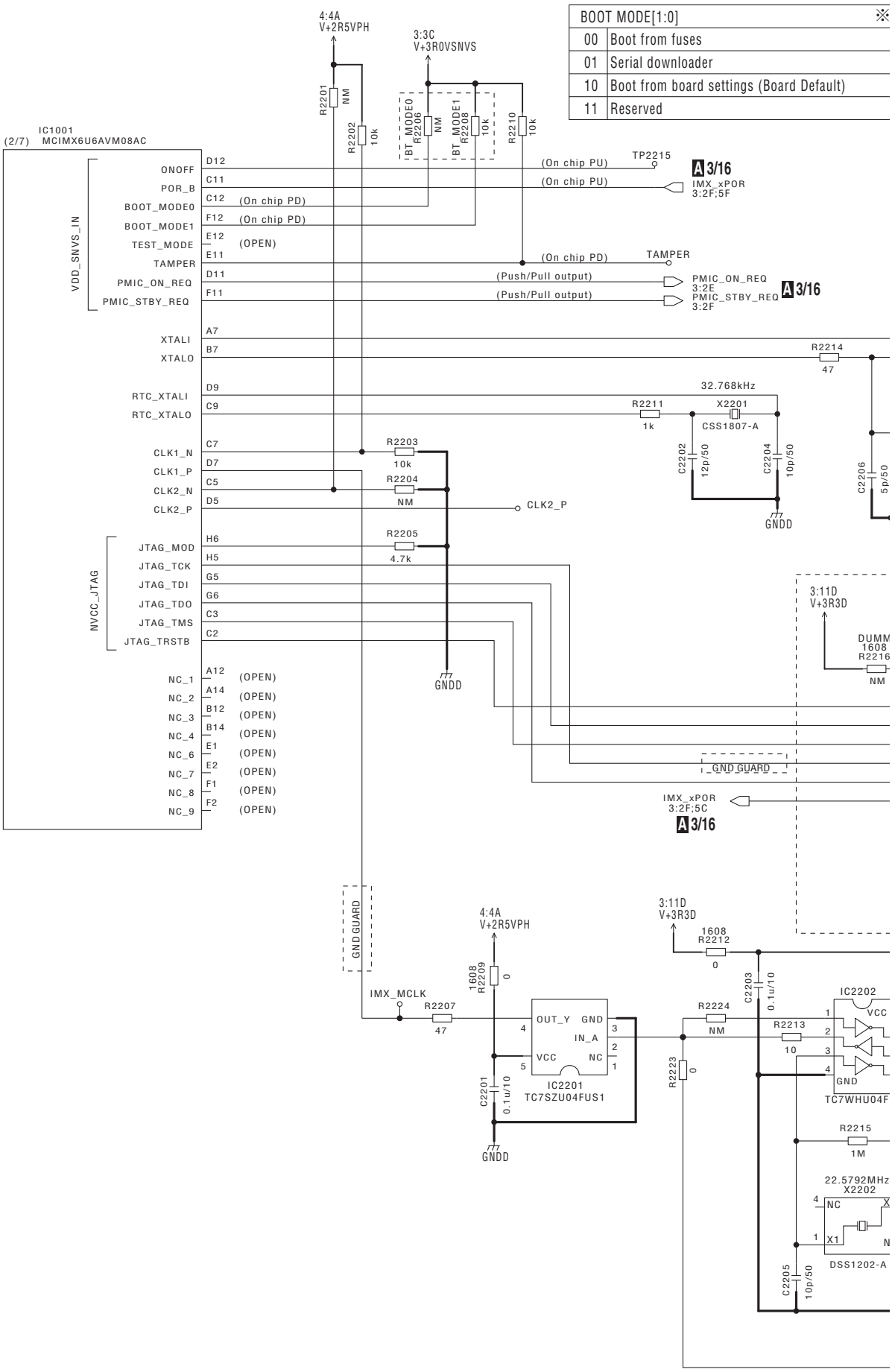
10.10 MAIN ASSY (10/16)



A 10/16

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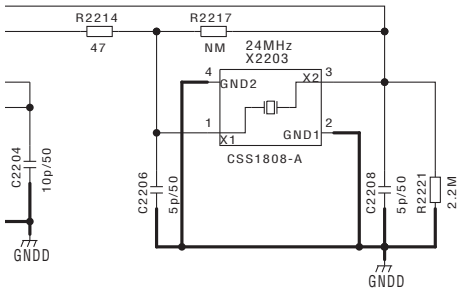
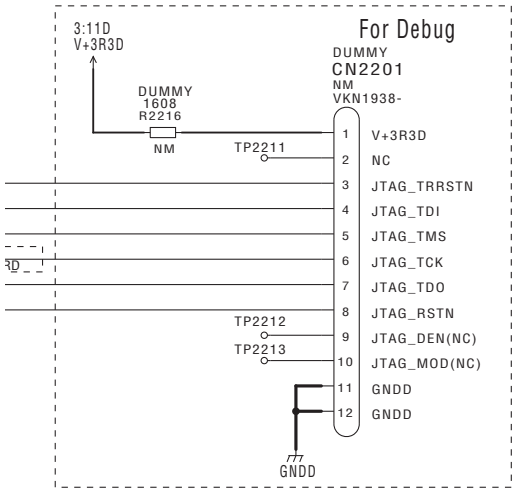
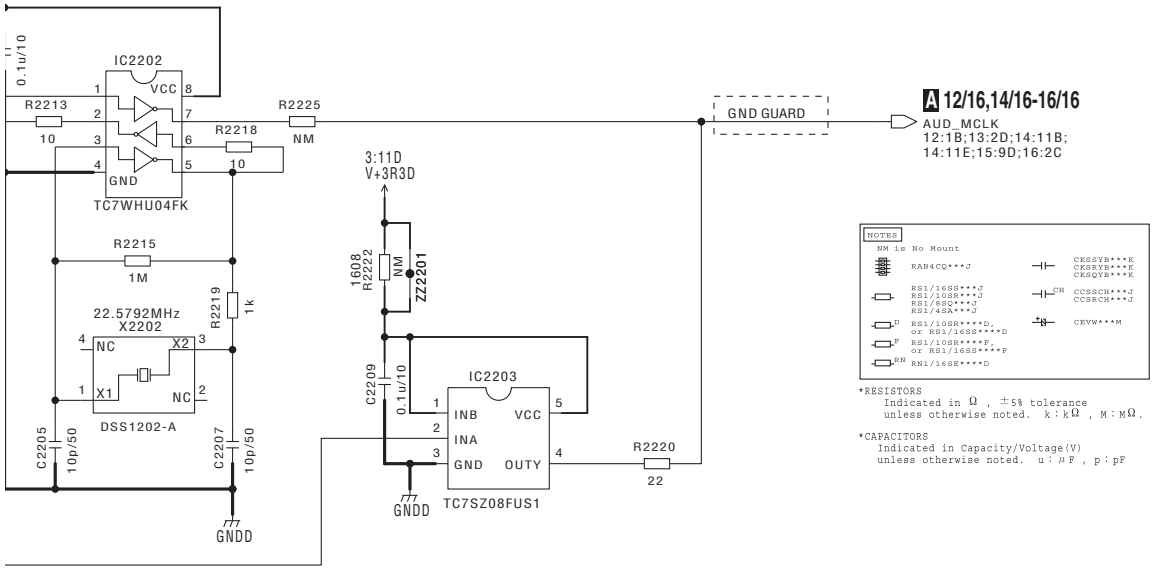
A 10/16 MAIN ASSY (DWX3590)

※0 : OPEN
(Board Default)

Q
REQ A 3/16







NOTES
NM is No Mount

RAB4CQ***J
RS1/16SS***J
RS1/10SR***J
RS1/8SQ***J
RS1/4SA***J
RS1/10SR****D, or RS1/16SS****D
RS1/10SR****F, or RS1/16SS****F
RN1/16SE****D
CKSSYB***K
CKSSYB***K
CKSQYB***K
CCSSCH***J
CCSRCH***J
CEVW***M

*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

A 10/16

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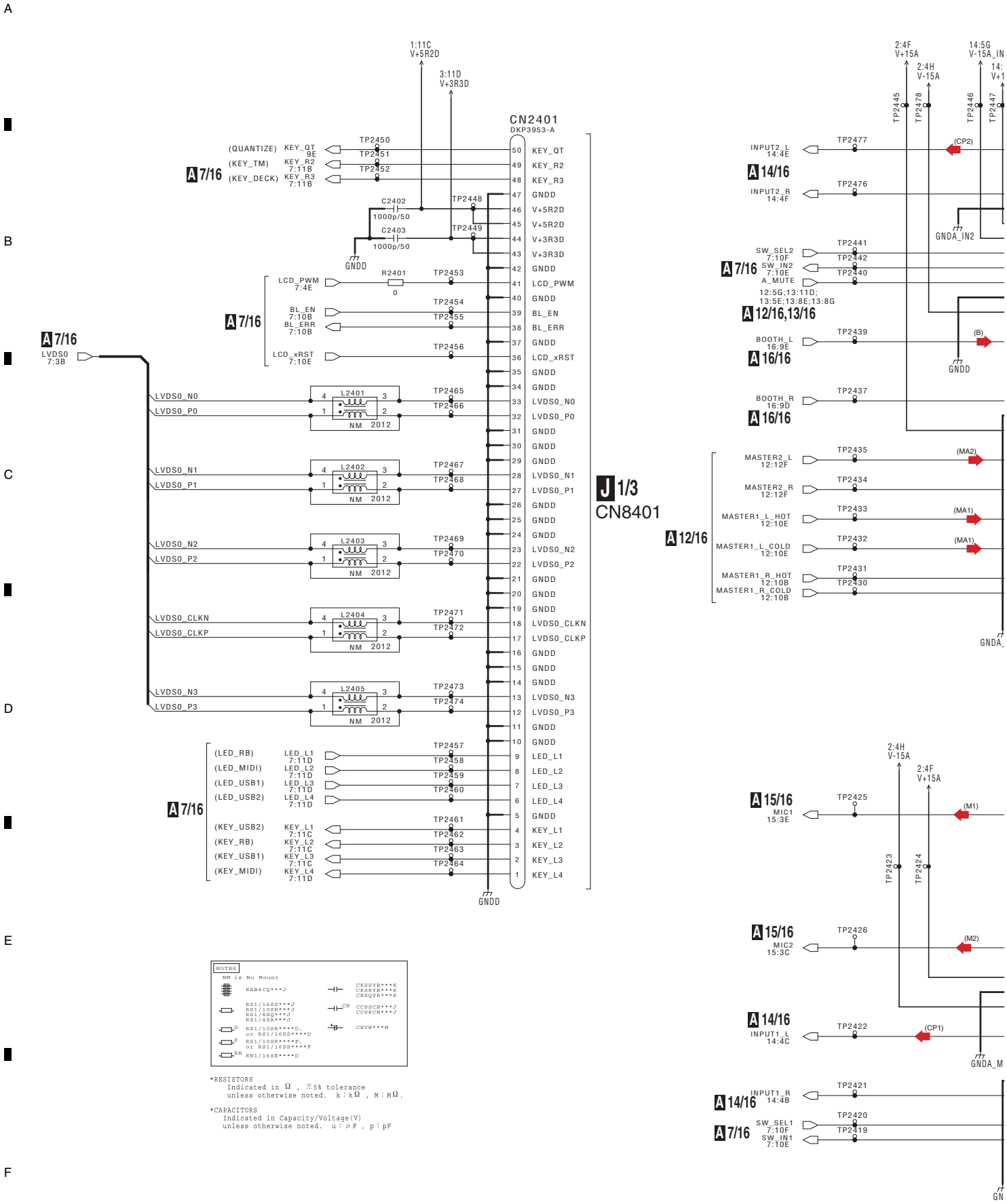
10.11 MAIN ASSY (11/16)



NOTES

NM is No Mount

RAB4CQ***J

RS1/16S***J
RS1/10SR***J
RS1/8SQ***J
RS1/4SA***J

RS1/10SR****D,
or RS1/16SS****D

RS1/10SR****F,
or RS1/16SS****F

RN1/16SS****D

CKSSYB***K
CKSRYB***K
CKSQYB***K

CCSSCH***J
CCSRCH***J

CEVW***M

*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

A 11/16

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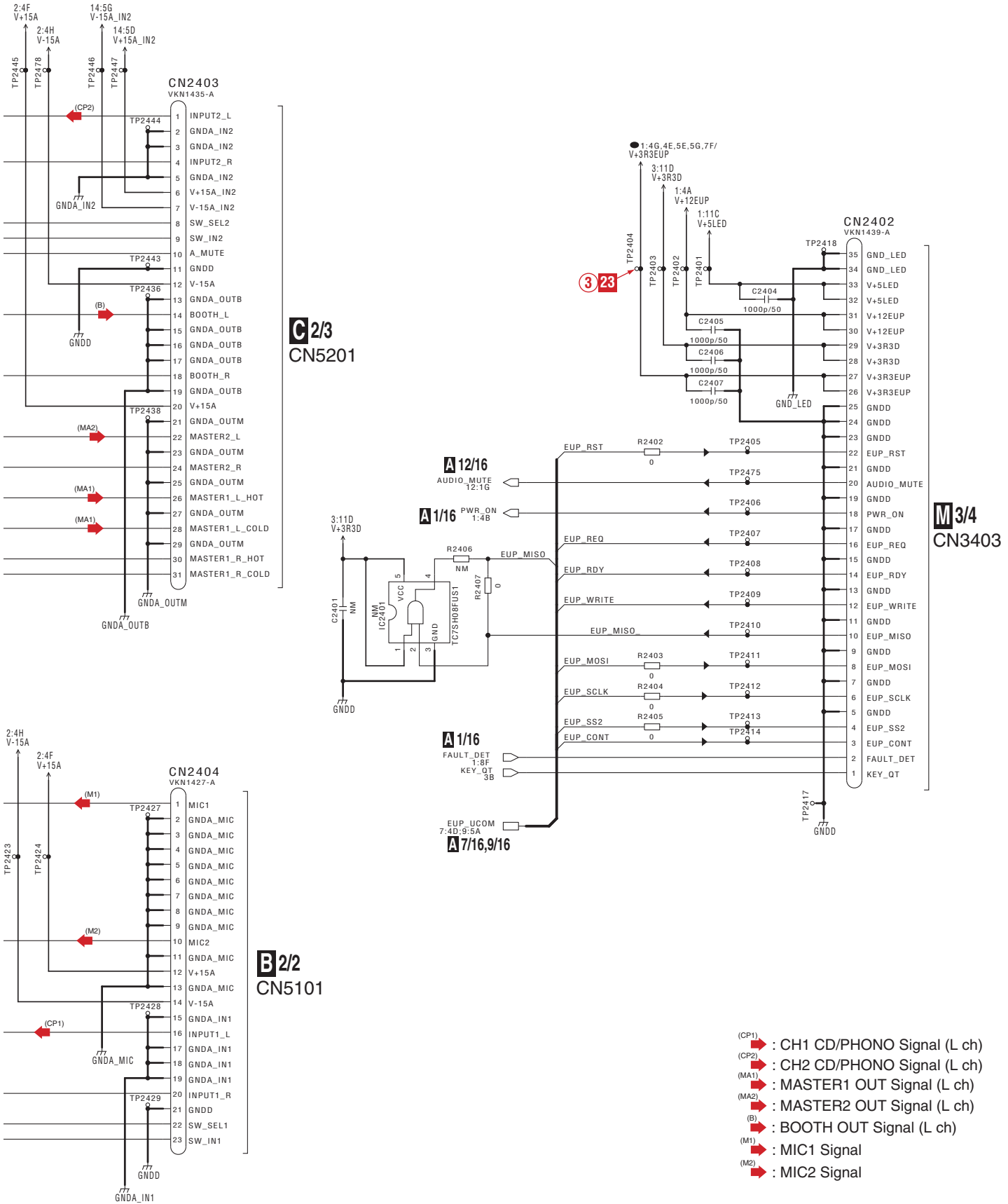
A 11/16 MAIN ASSY (DWX3590)



A 11/16

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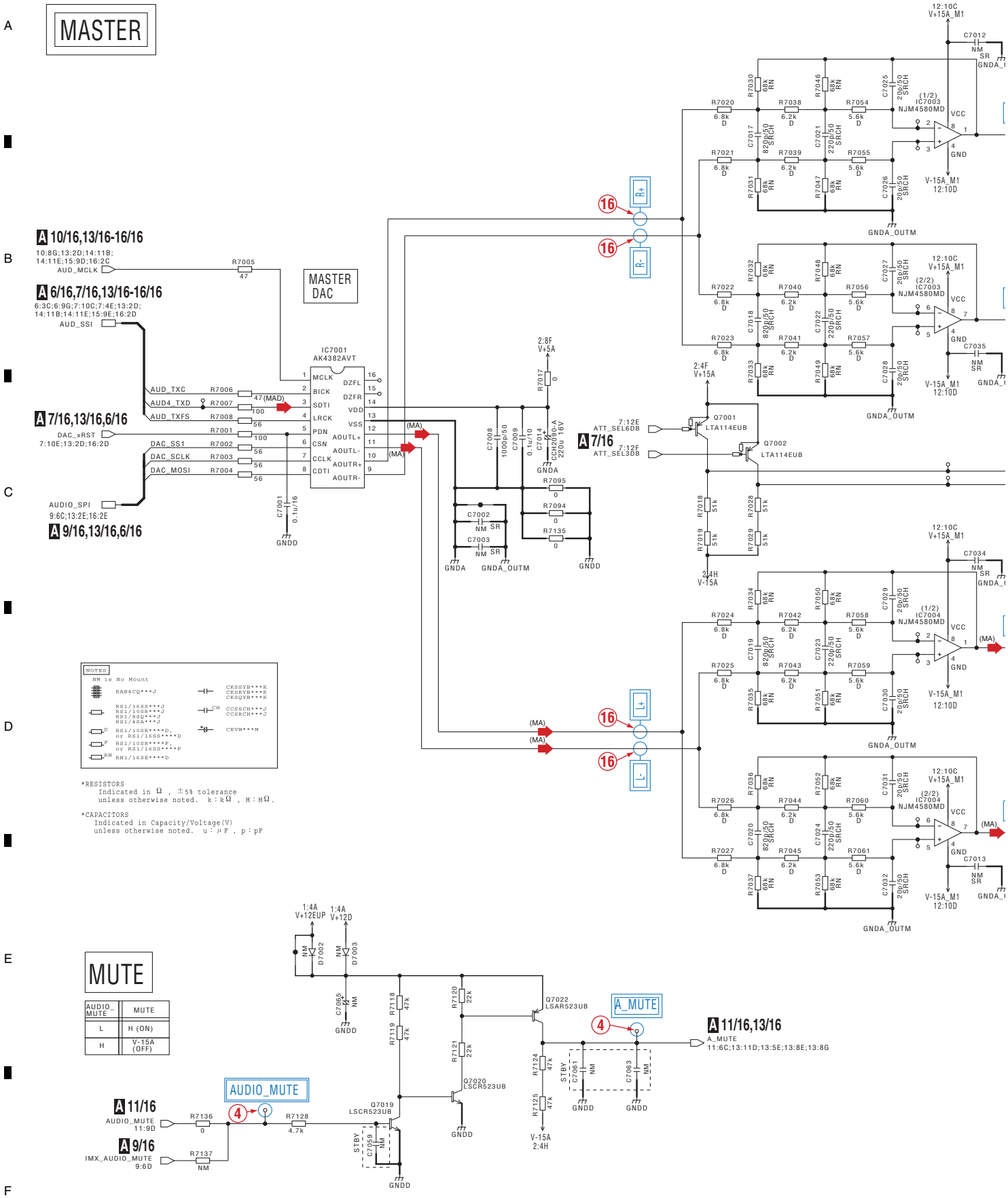
10.12 MAIN ASSY (12/16)



A 12/16

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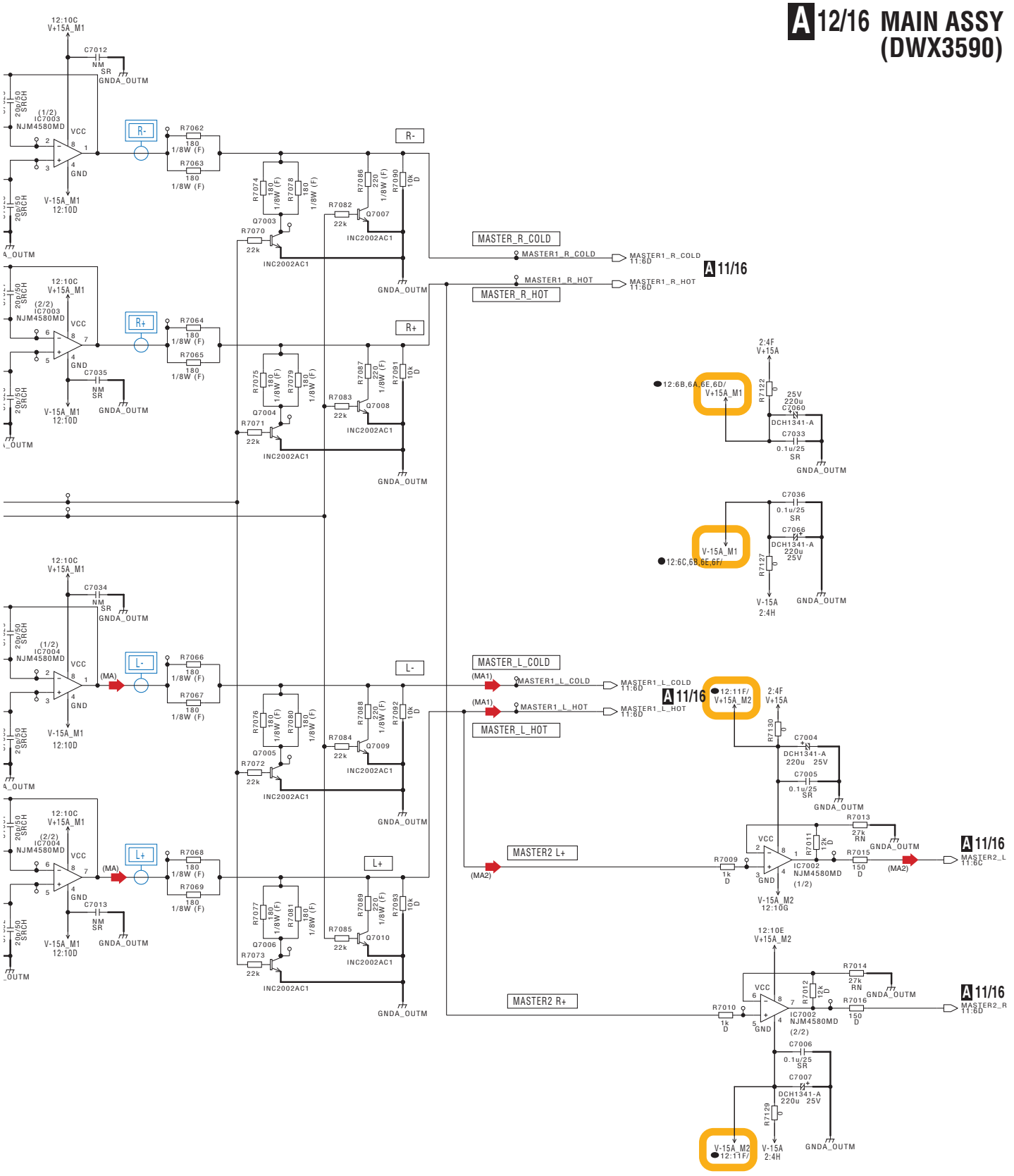
A 12/16 MAIN ASSY (DWX3590)



(MAD) : MASTER OUT Digital Signal
(MA) : MASTER OUT Signal (L ch)
(MA1) : MASTER1 OUT Signal (L ch)
(MA2) : MASTER2 OUT Signal (L ch)

The check point for service.
(Legend silk indication on the PCB.)

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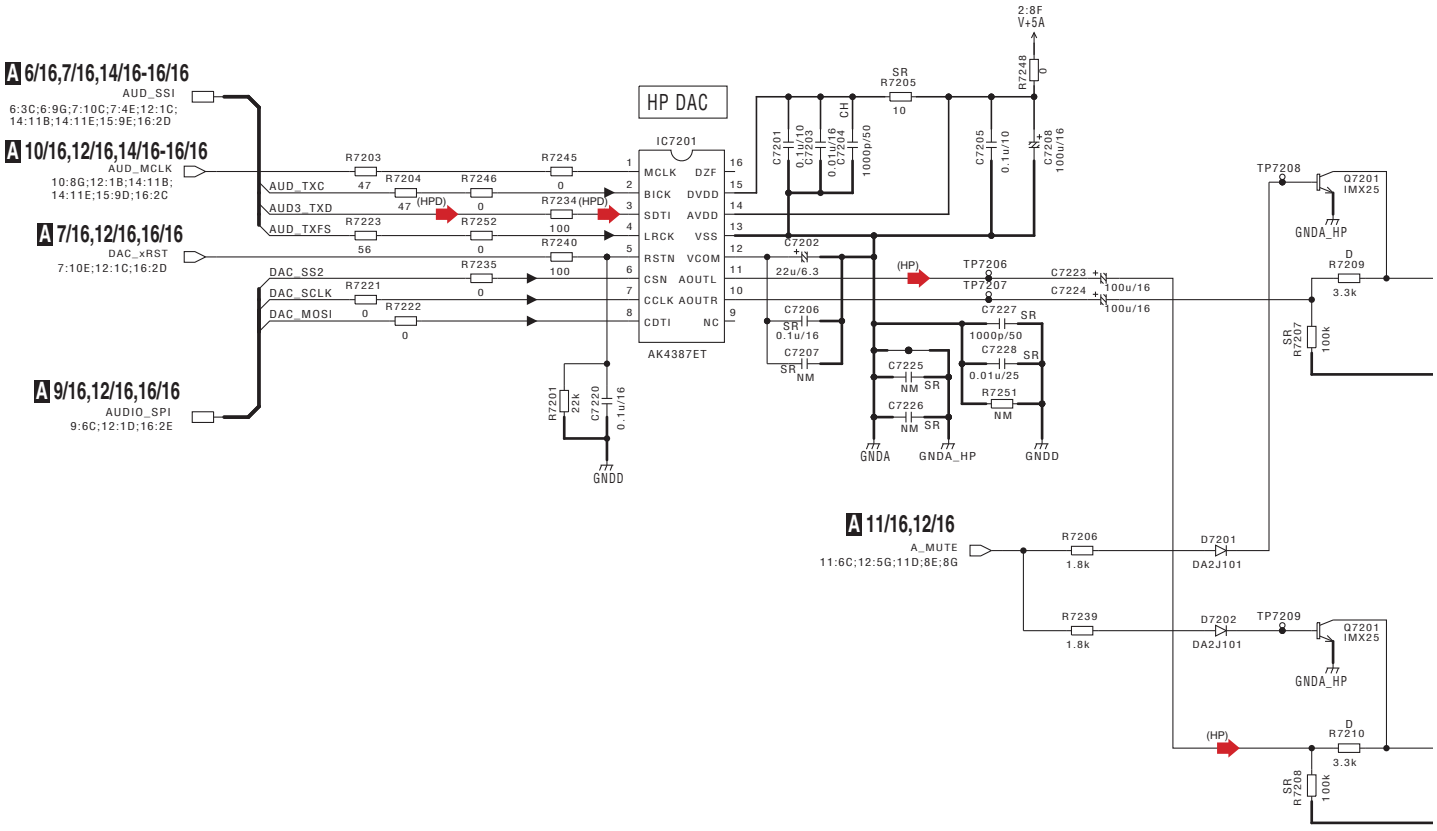
10.13 MAIN ASSY (13/16)



A 13/16

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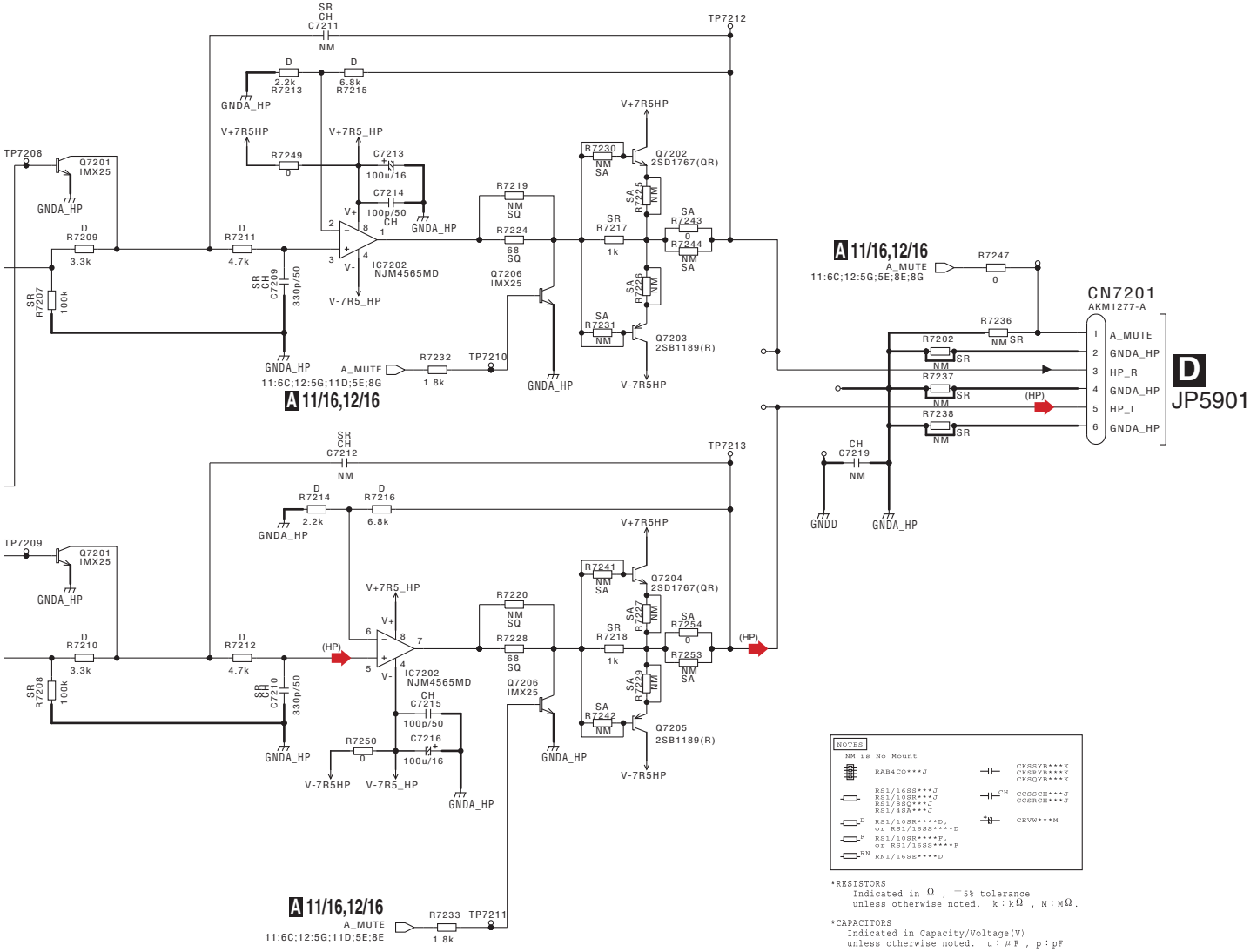
A 13/16 MAIN ASSY (DWX3590)



NOTES
NM is No Mount
RAB4CQ***J
RS1/16SS***J
RS1/10SR***J
RS1/8SQ***J
RS1/4SA***J
RS1/10SR****D, or RS1/16SS****D
RS1/10SR****F, or RS1/16SS****F
RN1/16SE****D
CKSSYB***K
CKSRYB***K
CKSQYB***K
CCSSCH***J
CCSRCH***J
CEVW***M

*RESISTORS
Indicated in Ω, ±5% tolerance unless otherwise noted. k : kΩ, M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V) unless otherwise noted. u : μF, p : pF

(HPD) : HEADPHONE Digital Signal
(HP) : HEADPHONE Signal (L ch)

A 13/16

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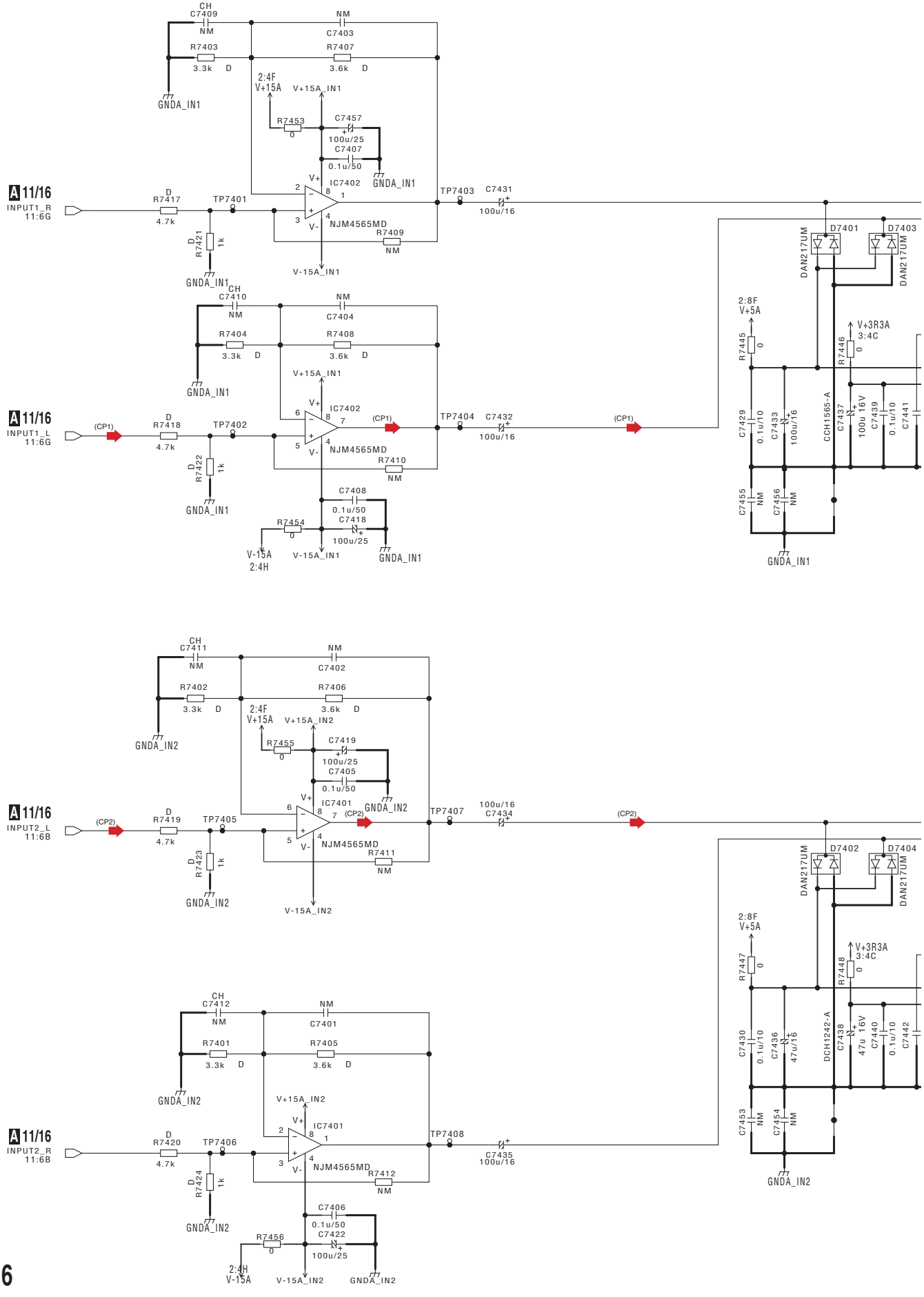
10.14 MAIN ASSY (14/16)



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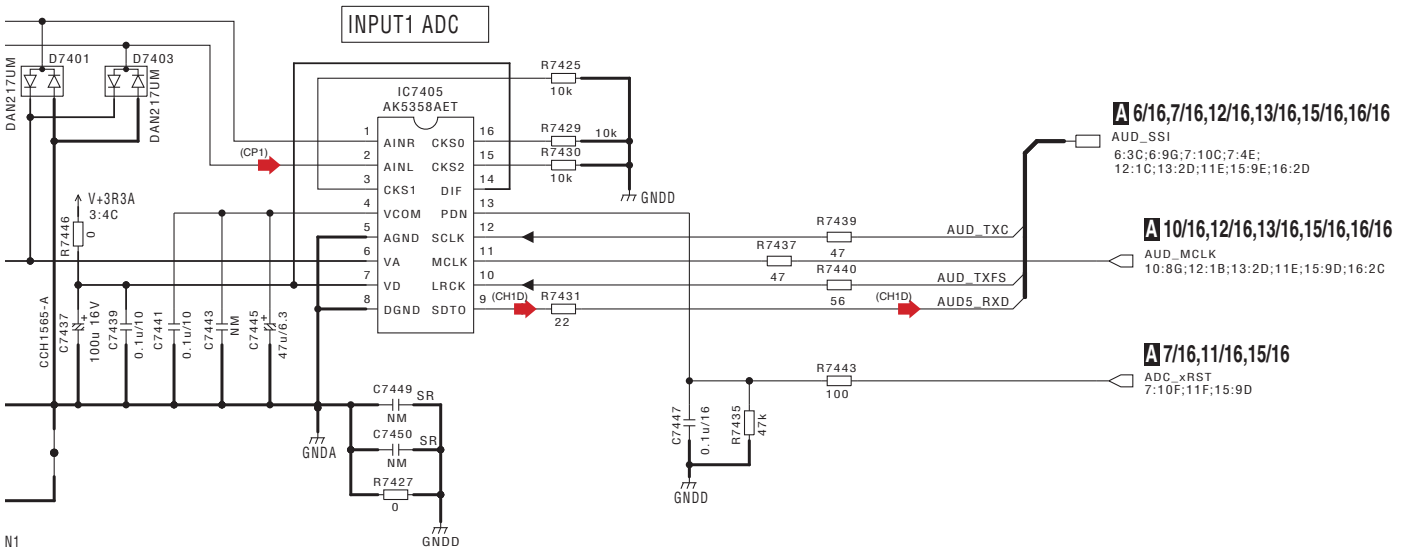
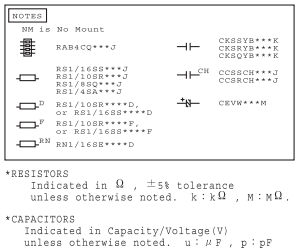
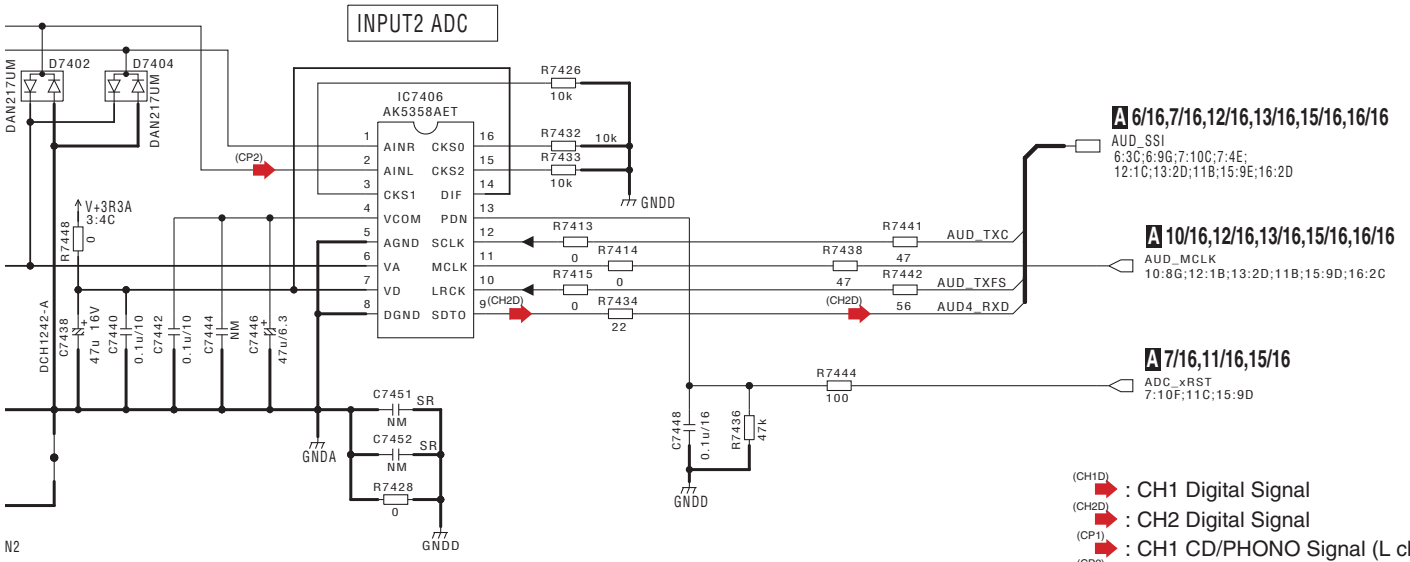
A 14/16 MAIN ASSY (DWX3590)





*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF



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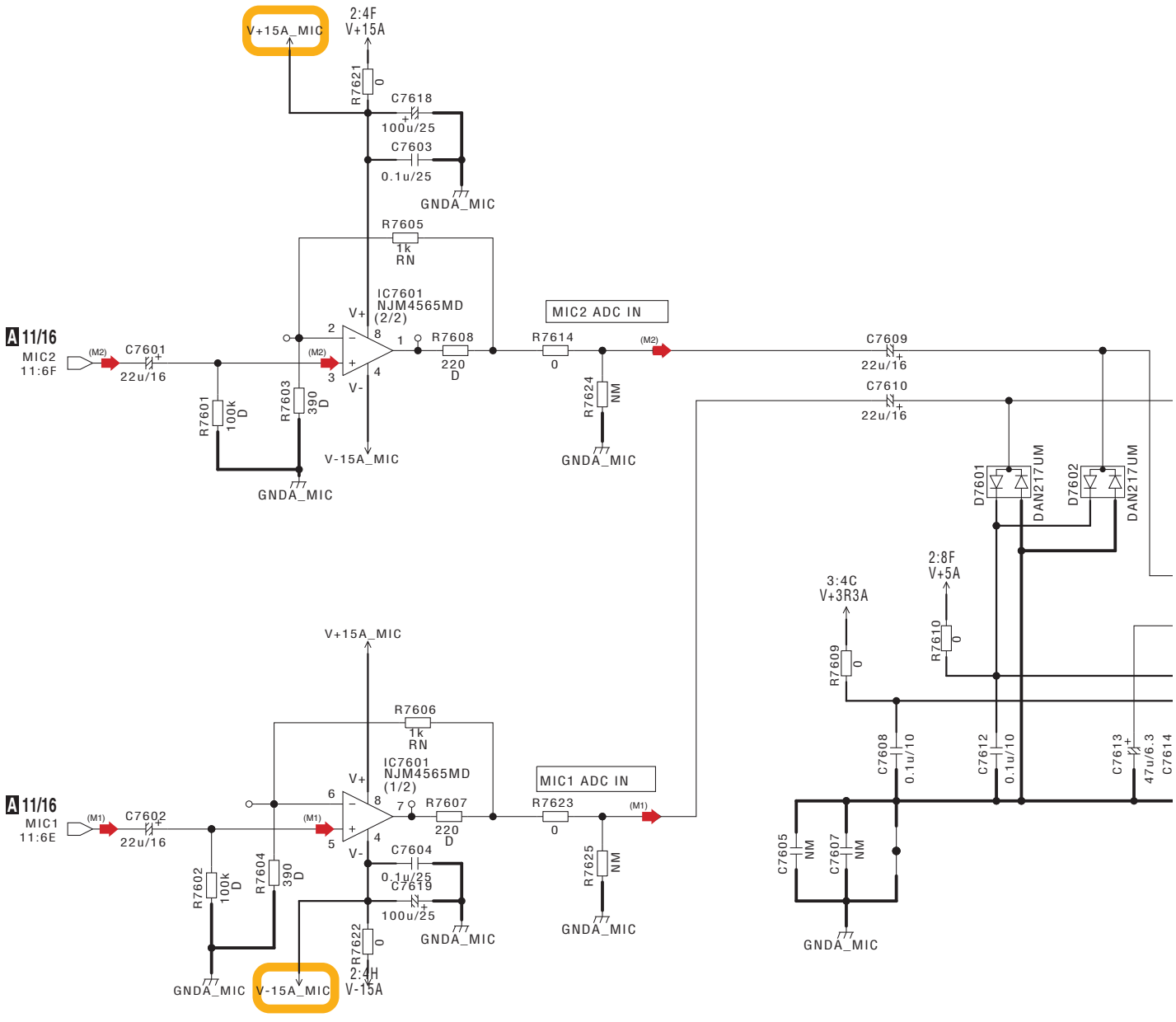
10.15 MAIN ASSY (15/16)



NOTES

NM is No Mount

RAB4CQ***J

RS1/16SS***J
RS1/10SS***J
RS1/8SQ***J
RS1/4SA***J

RS1/10SS****D,
or RS1/16SS****D

RS1/10SS****F,
or RS1/16SS****F

RN1/16SE****D

CKSSYB***K
CKSRYB***K
CKSQYB***K

CCSSCH***J
CCSRCH***J

CEVW***M

*RESISTORS
Indicated in Ω, ±5% tolerance
unless otherwise noted. k : kΩ, M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF, p : pF

A 15/16

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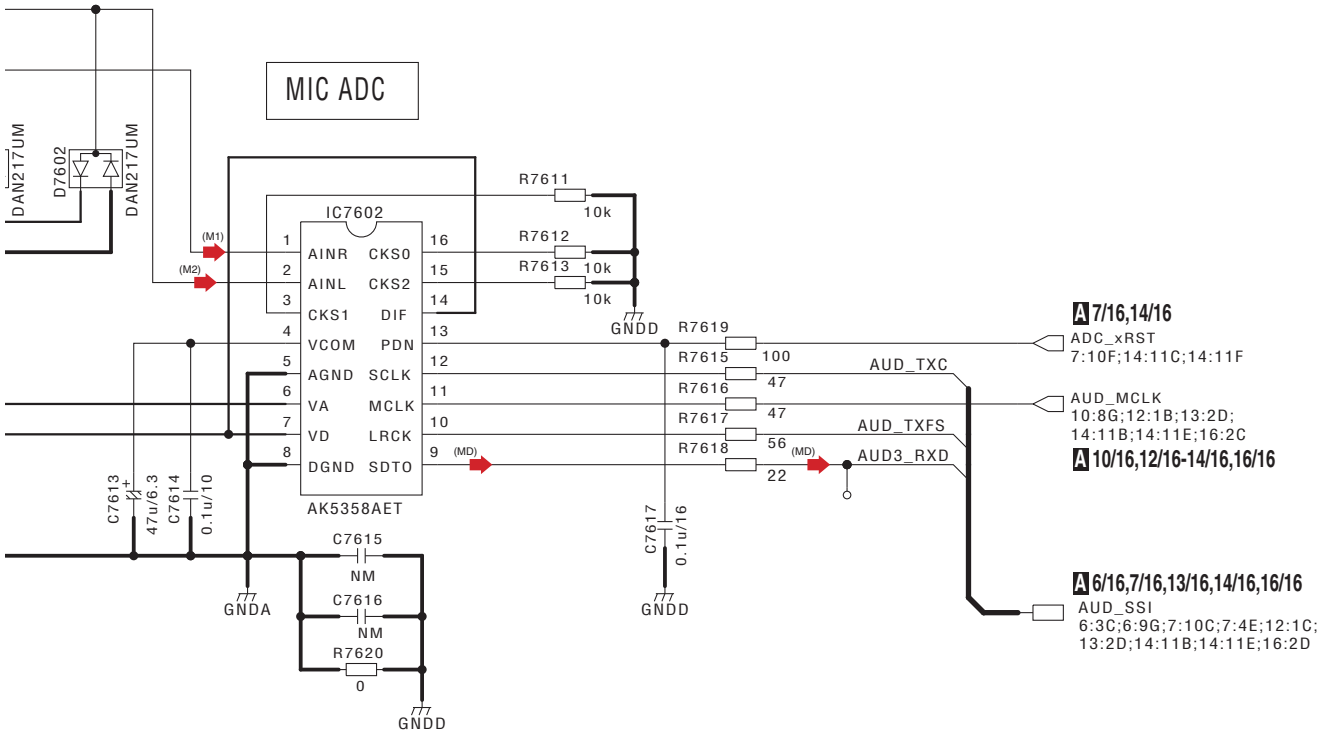

(M1) : MIC1 Signal
(M2) : MIC2 Signal
(MD) : MIC Digital Signal

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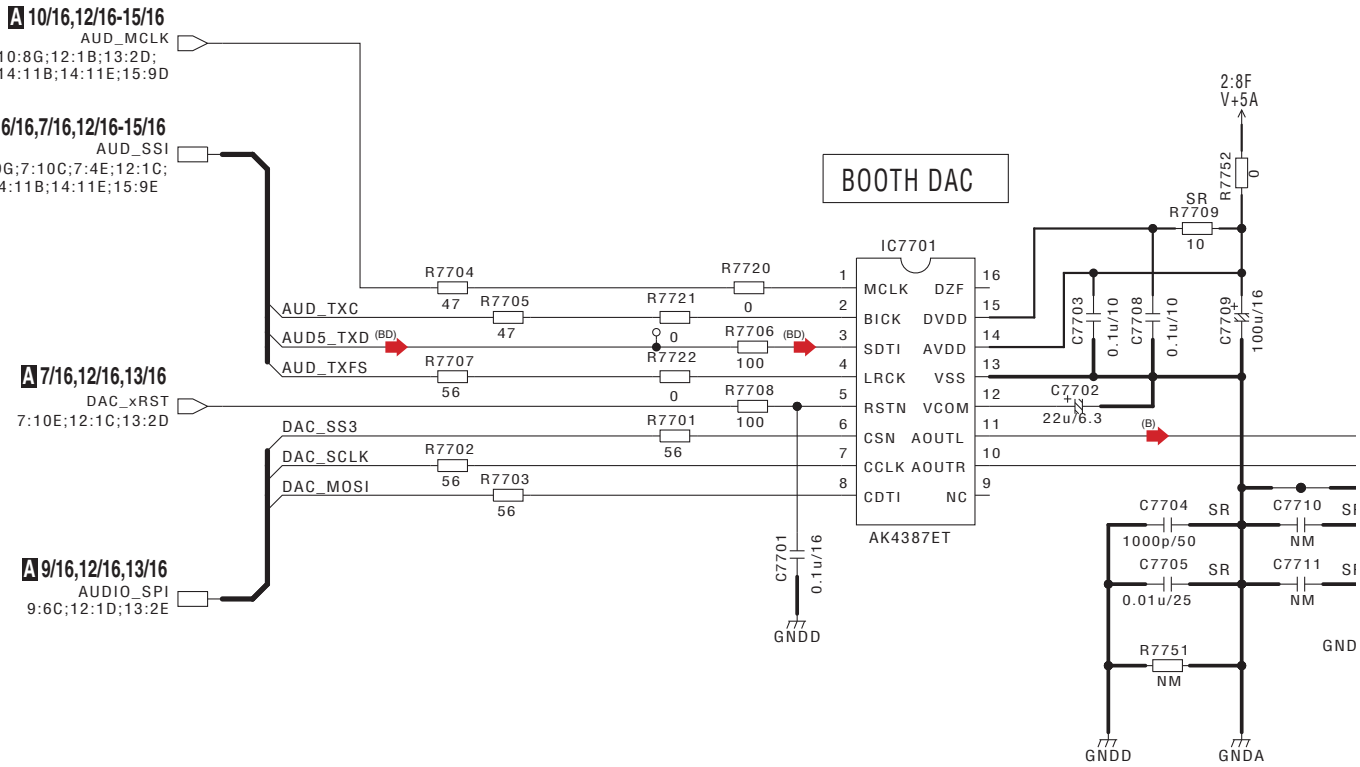
10.16 MAIN ASSY (16/16)



NOTES
NM is No Mount

*RESISTORS
Indicated in Ω, ±5% tolerance
unless otherwise noted. k:kΩ, M:MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u:μF, p:pF

A 16/16

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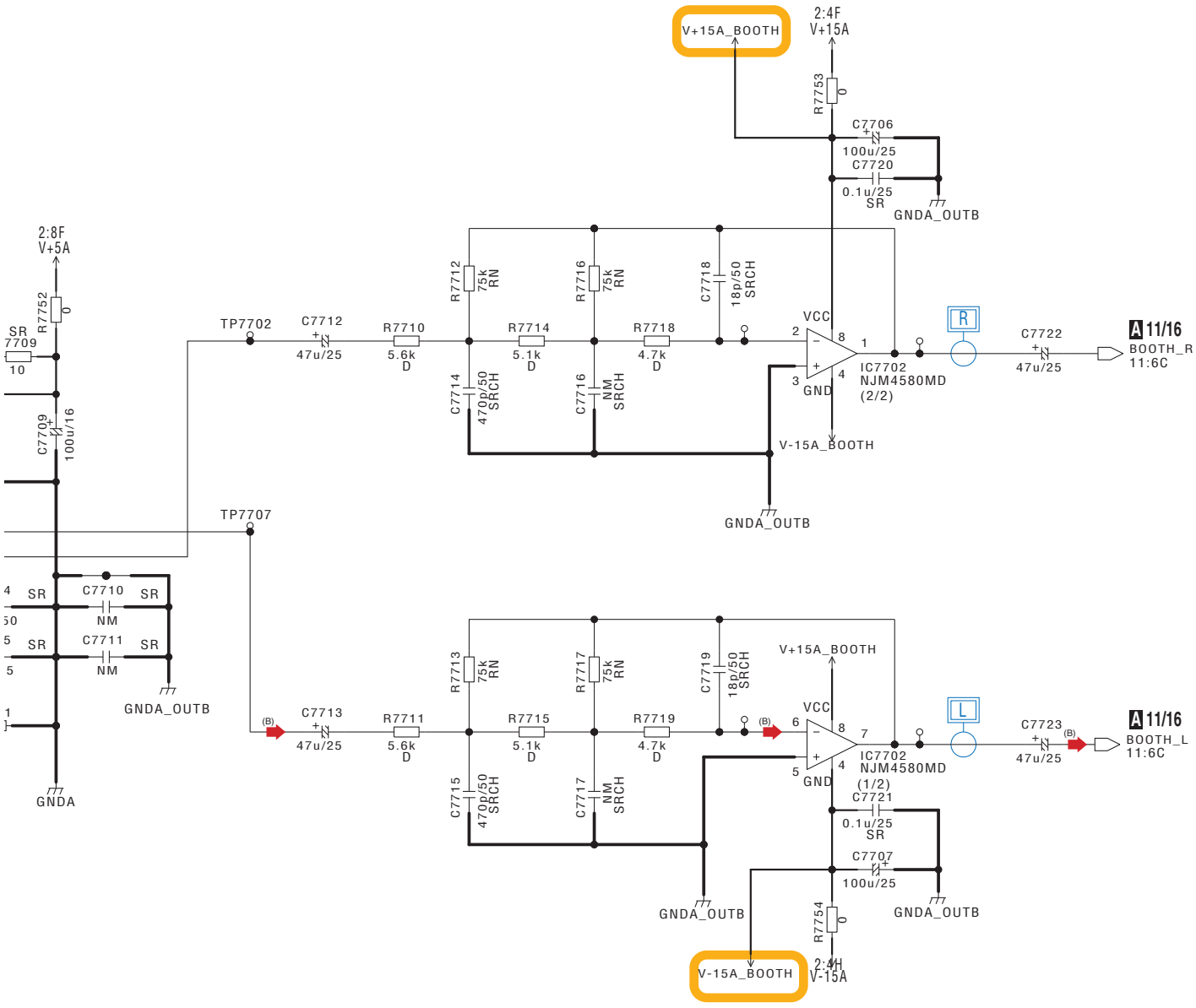
A 16/16 MAIN ASSY (DWX3590)



The check point for service.
(Legend silk indication on the PCB.)

(BD) : BOOTH Digital Signal

(B) : BOOTH OUT Signal (L ch)

A 16/16

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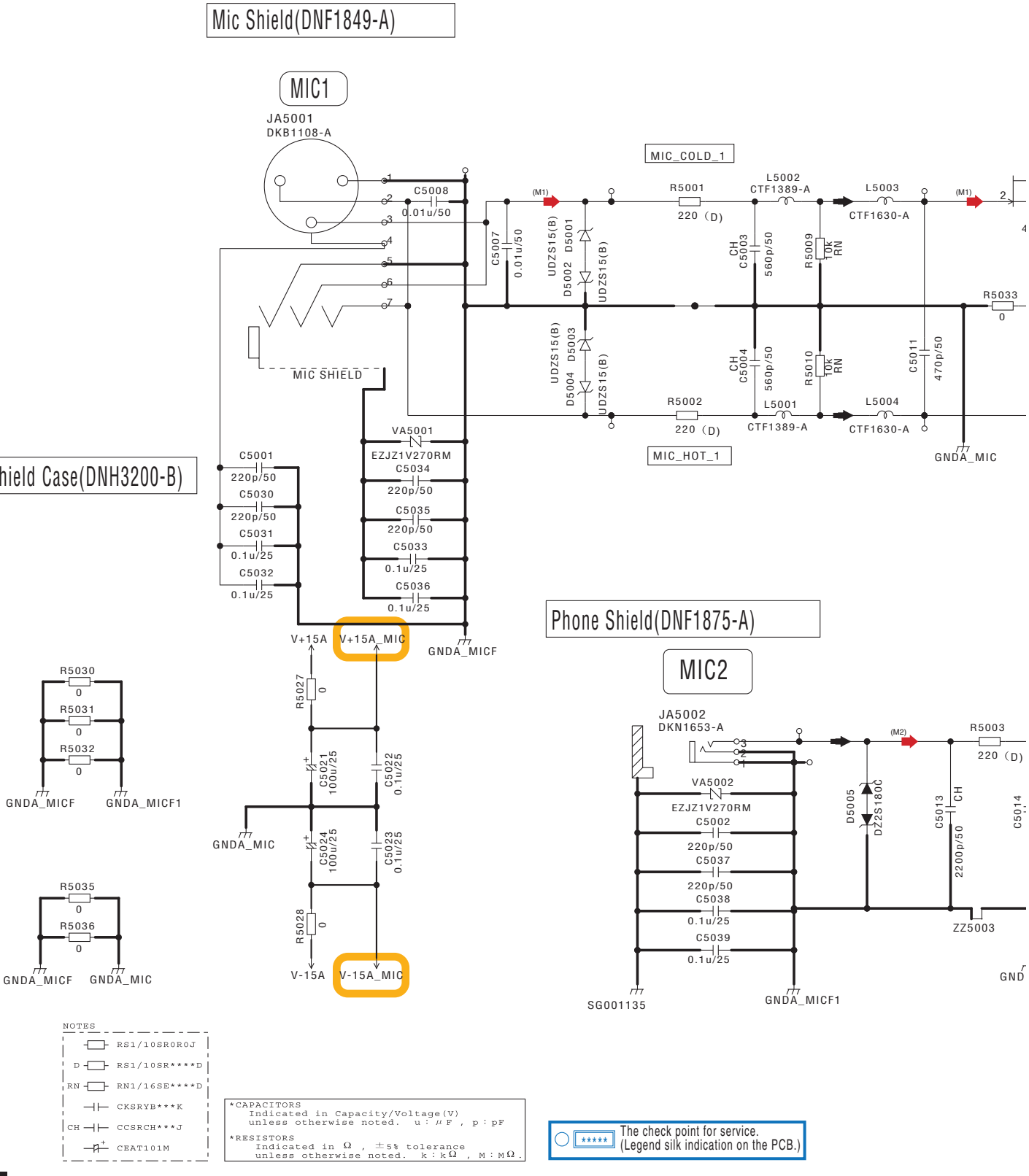
10.17 JACK1 ASSY (1/2)

MIC1, MIC2



NOTES

	RS1/10SR0R0J
D	RS1/10SR****D
RN	RN1/16SE****D
	CKSRYB***K
CH	CCSRCH***J
	CEAT101M

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

***** The check point for service.
(Legend silk indication on the PCB.)

B 1/2

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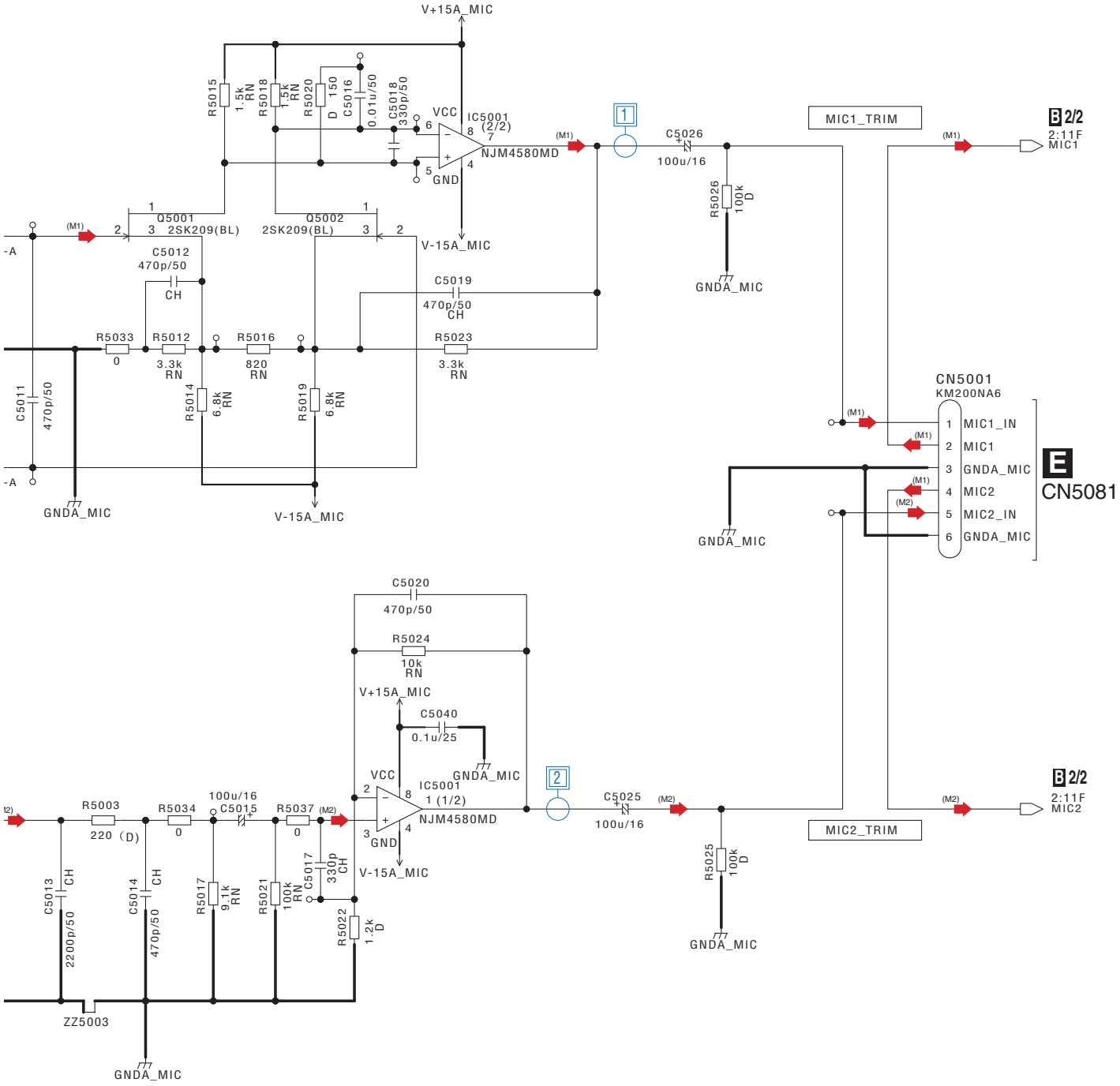
B 1/2 JACK1 ASSY (DWX3615)



(M1) : MIC1 Signal

(M2) : MIC2 Signal

B 1/2

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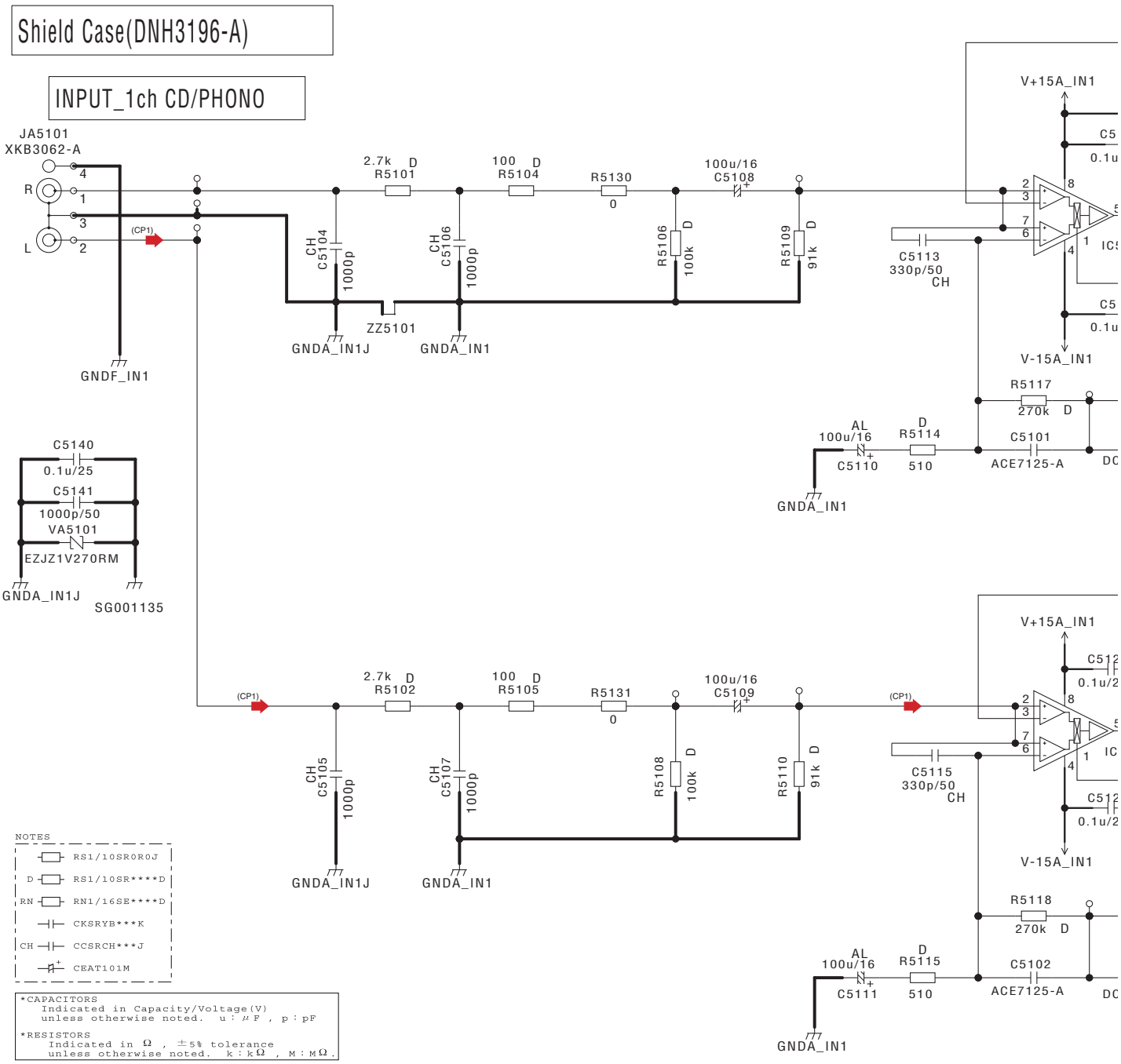
10.18 JACK1 ASSY (2/2)



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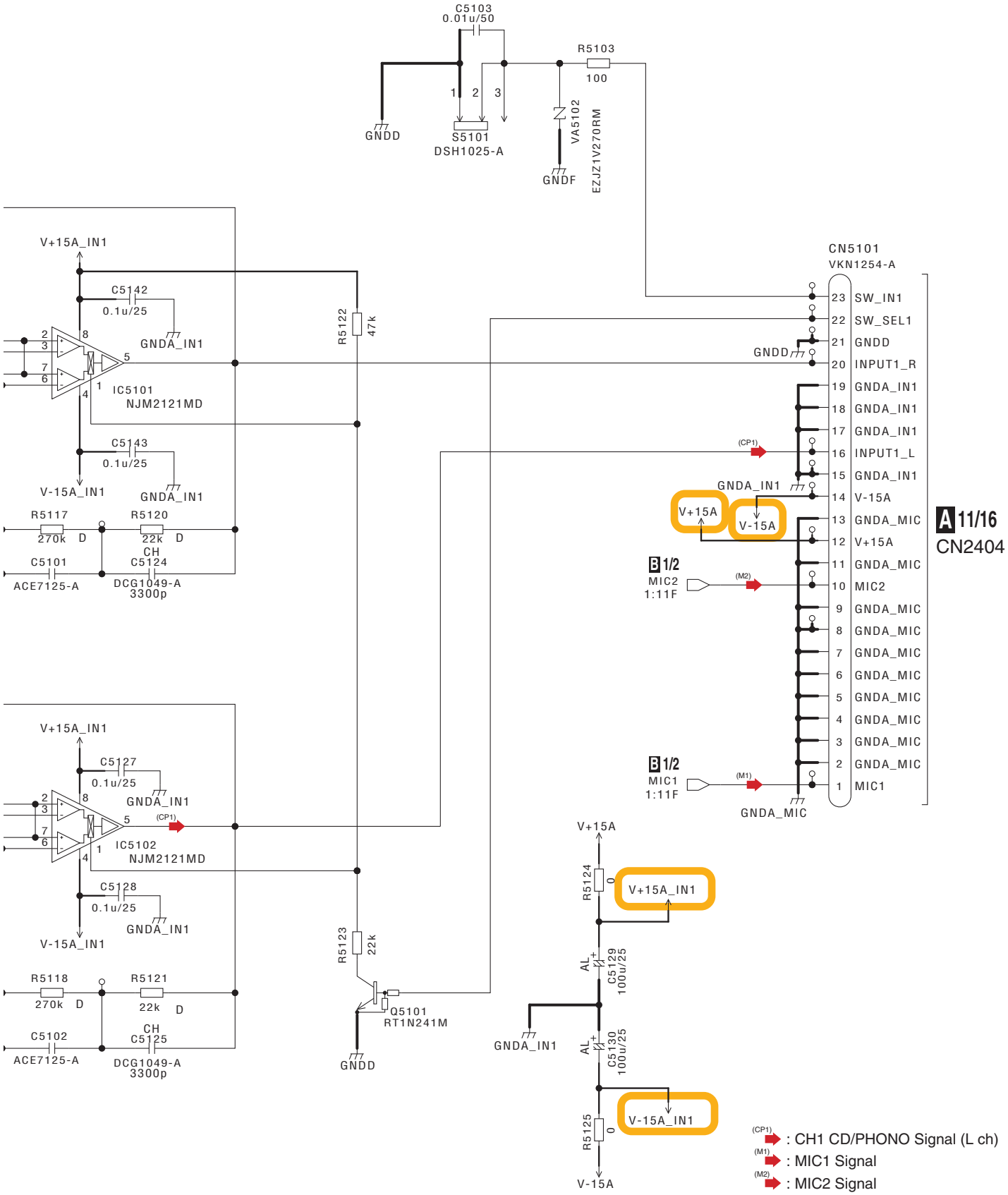
B 2/2 JACK1 ASSY (DWX3615)

1ch LINE/PHONO SW



B 2/2

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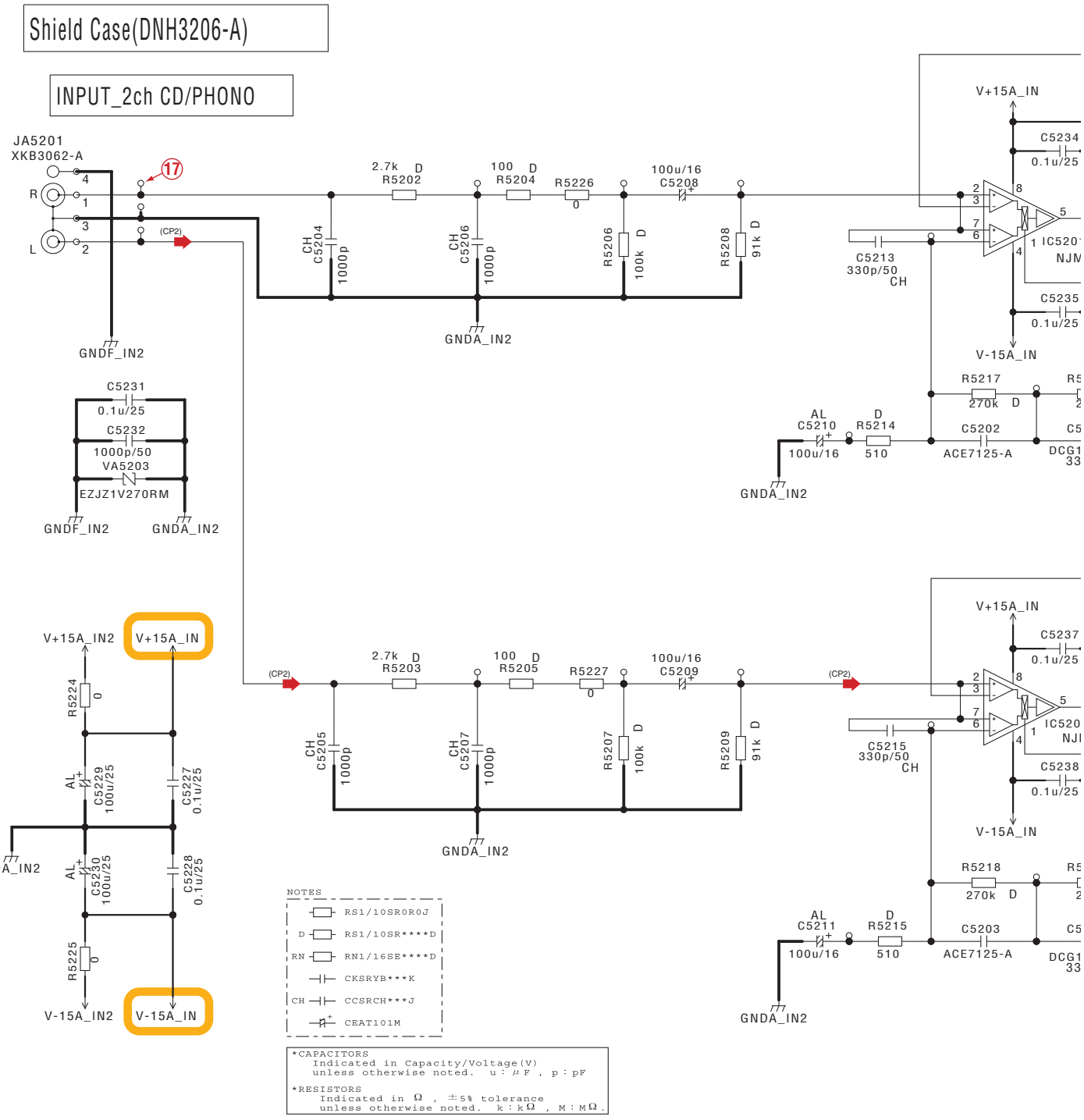
10.19 JACK2 ASSY (1/3)



C 1/3

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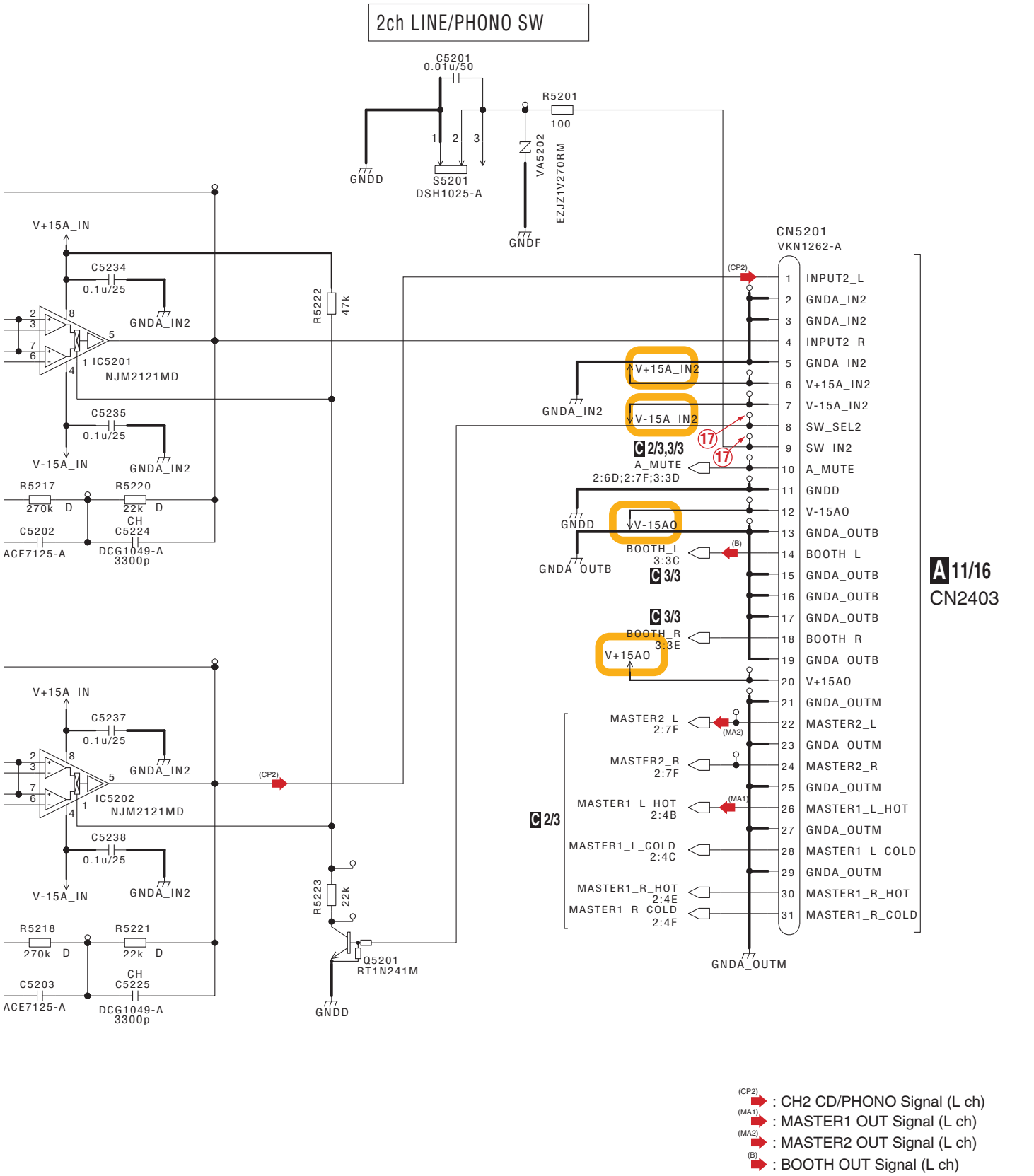

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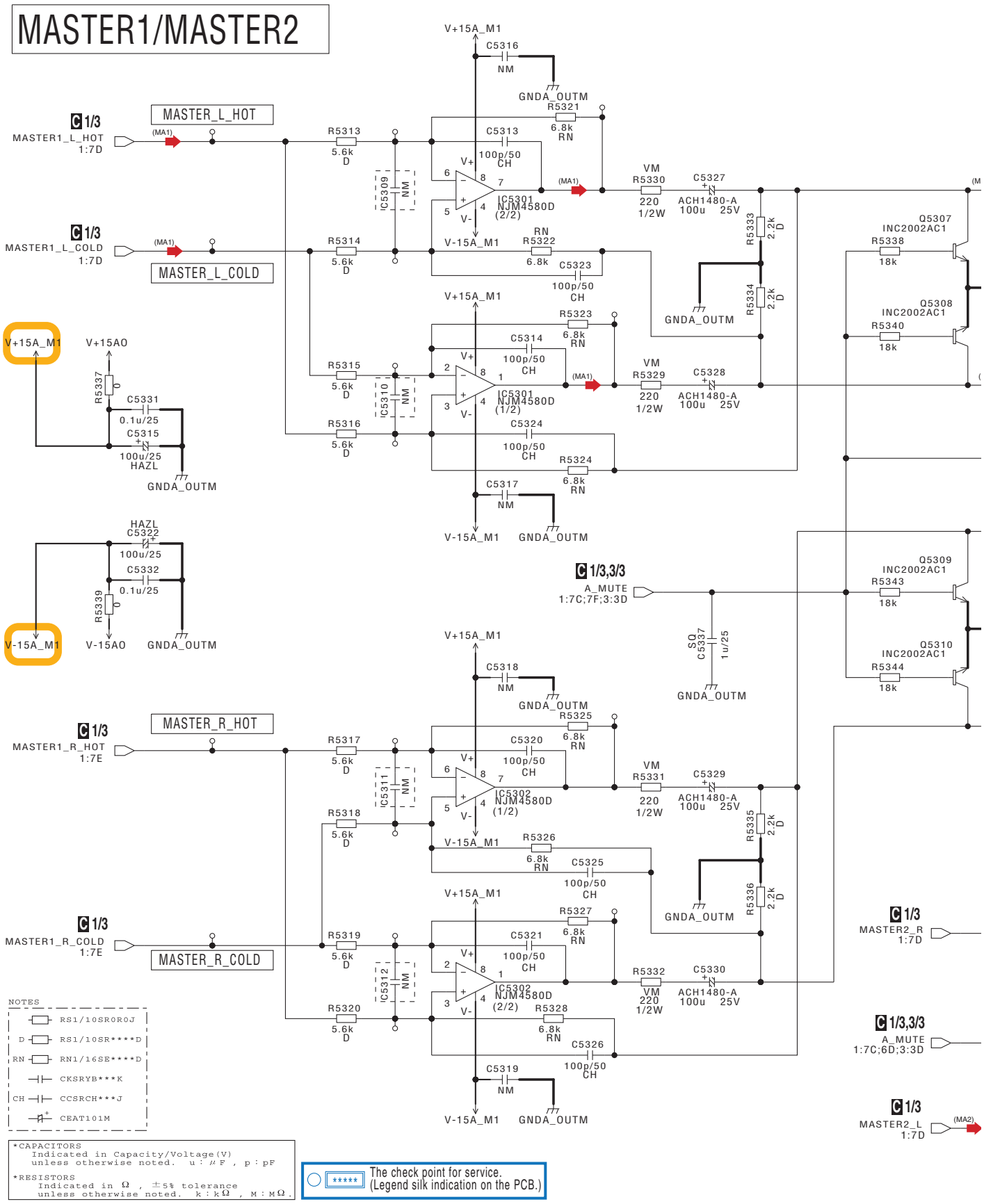
10.20 JACK2 ASSY (2/3)



C 2/3

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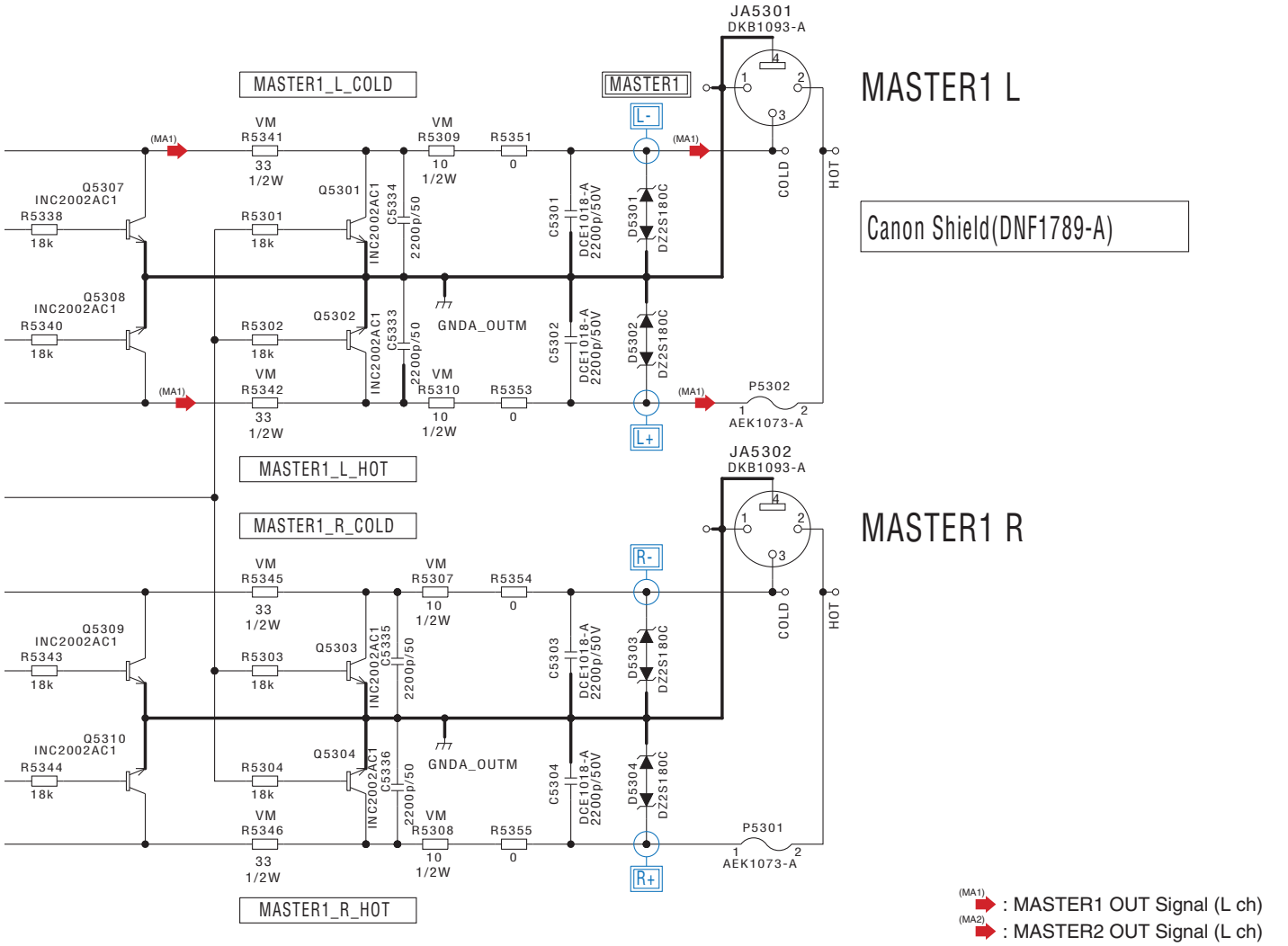
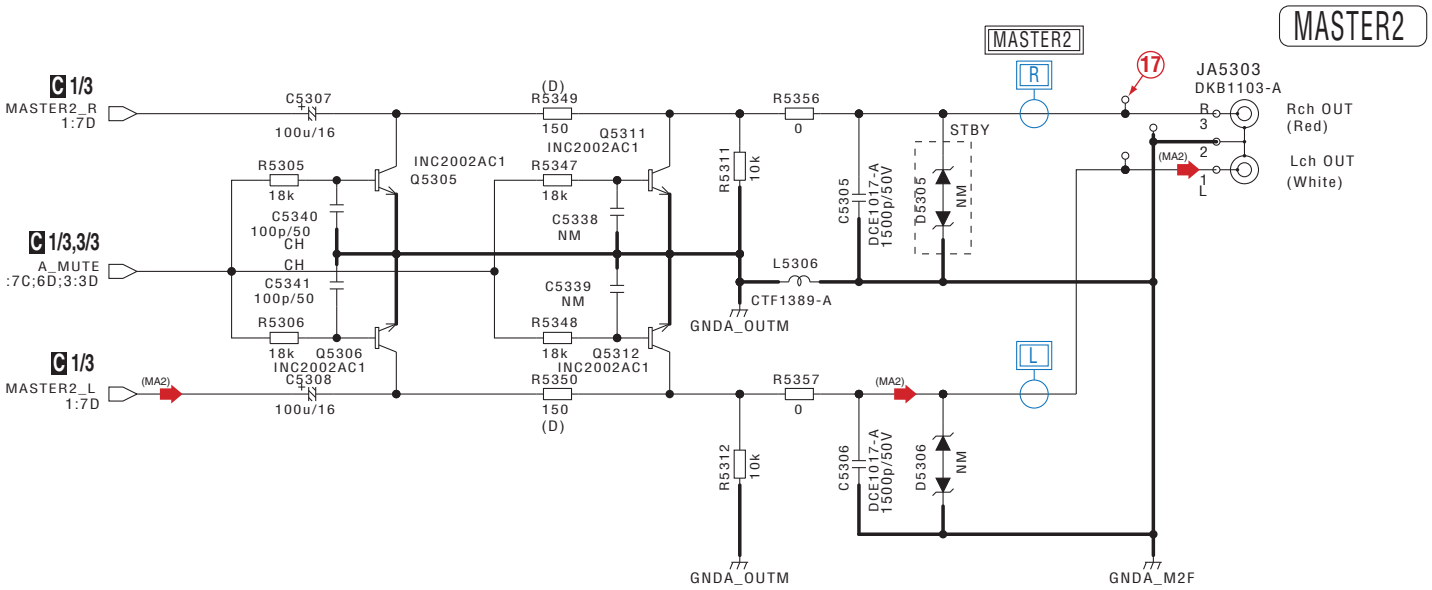
C 2/3 JACK2 ASSY (DWX3616)





C 2/3

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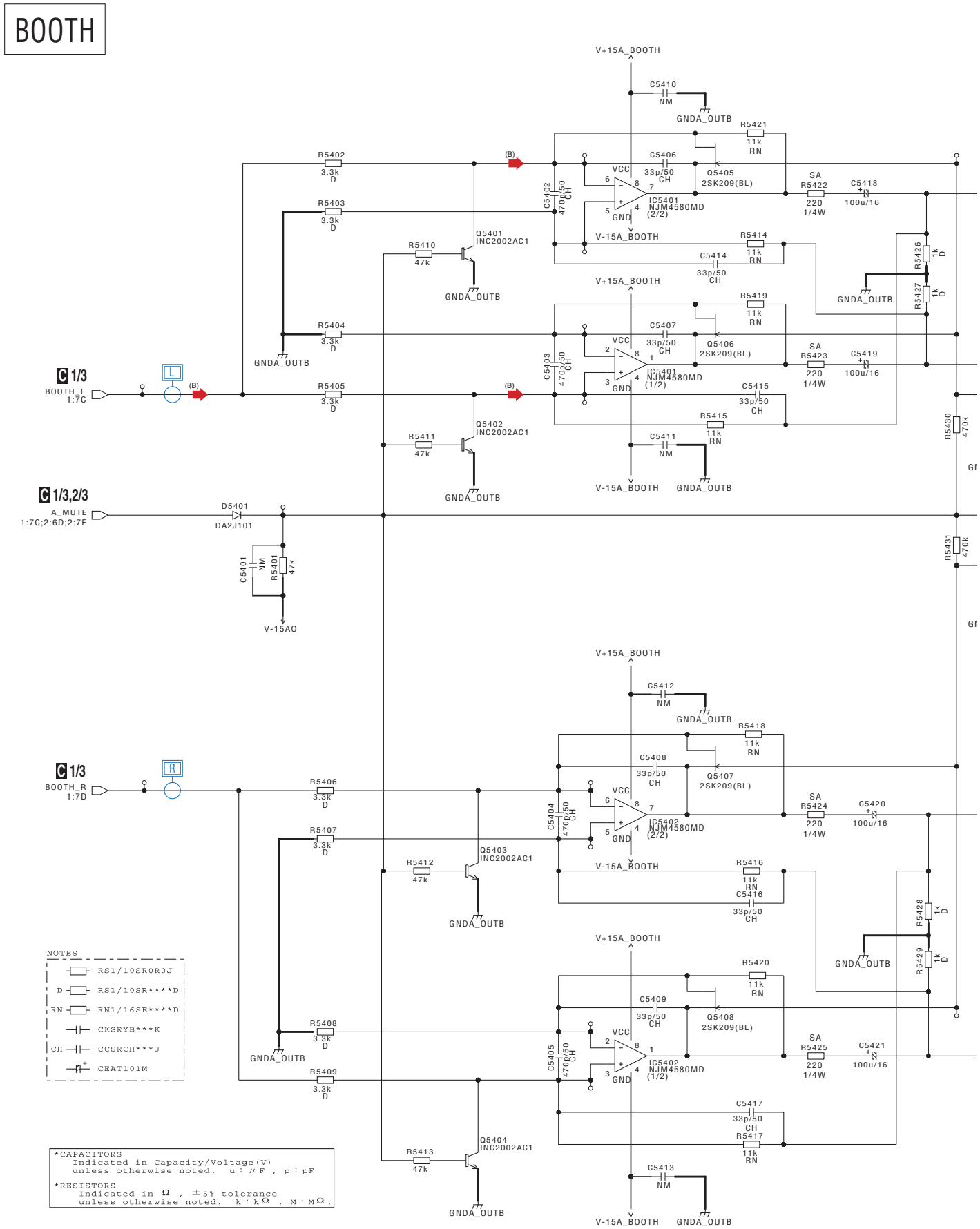
10.21 JACK2 ASSY (3/3)



C 3/3

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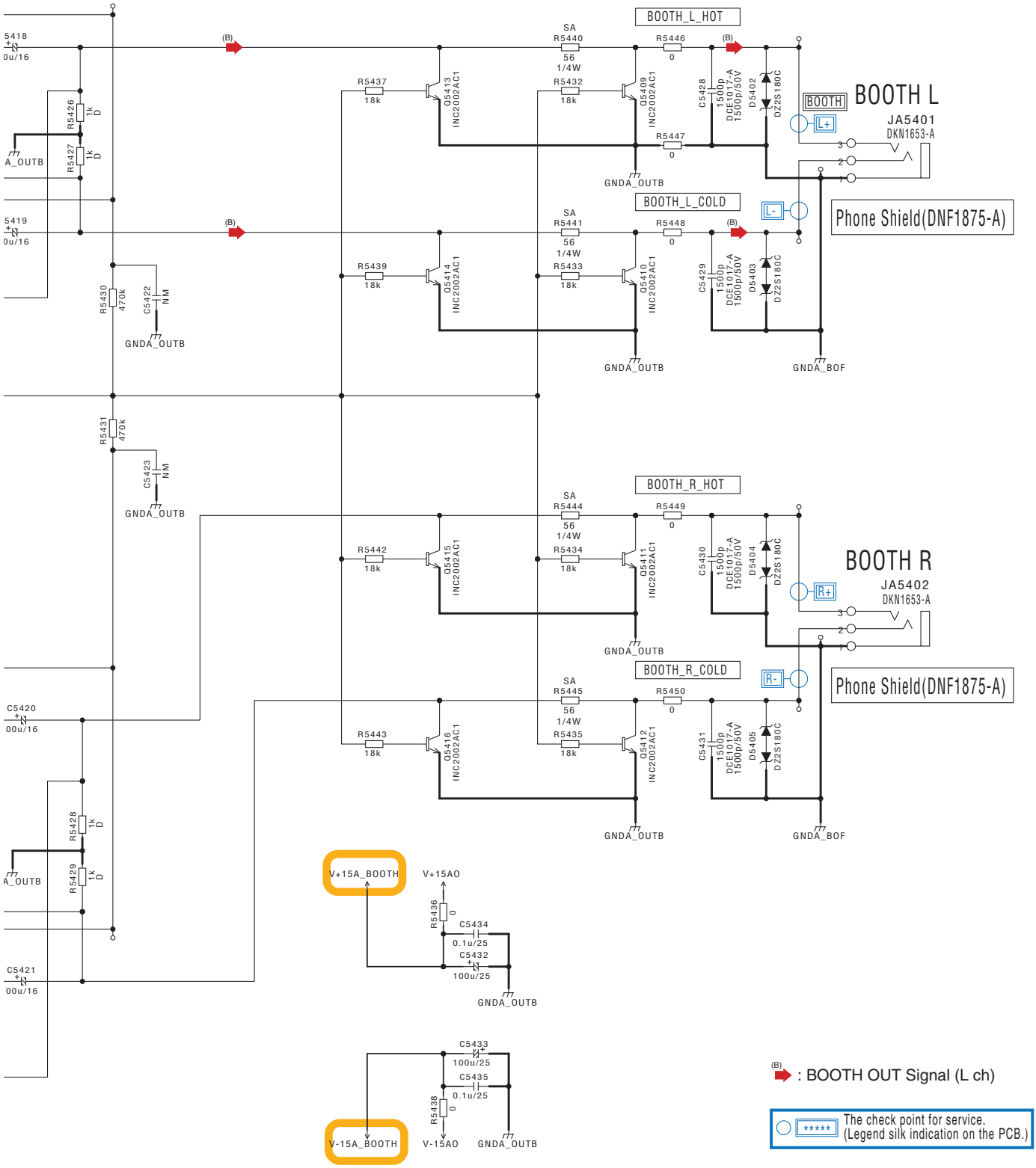
C 3/3 JACK2 ASSY (DWX3616)



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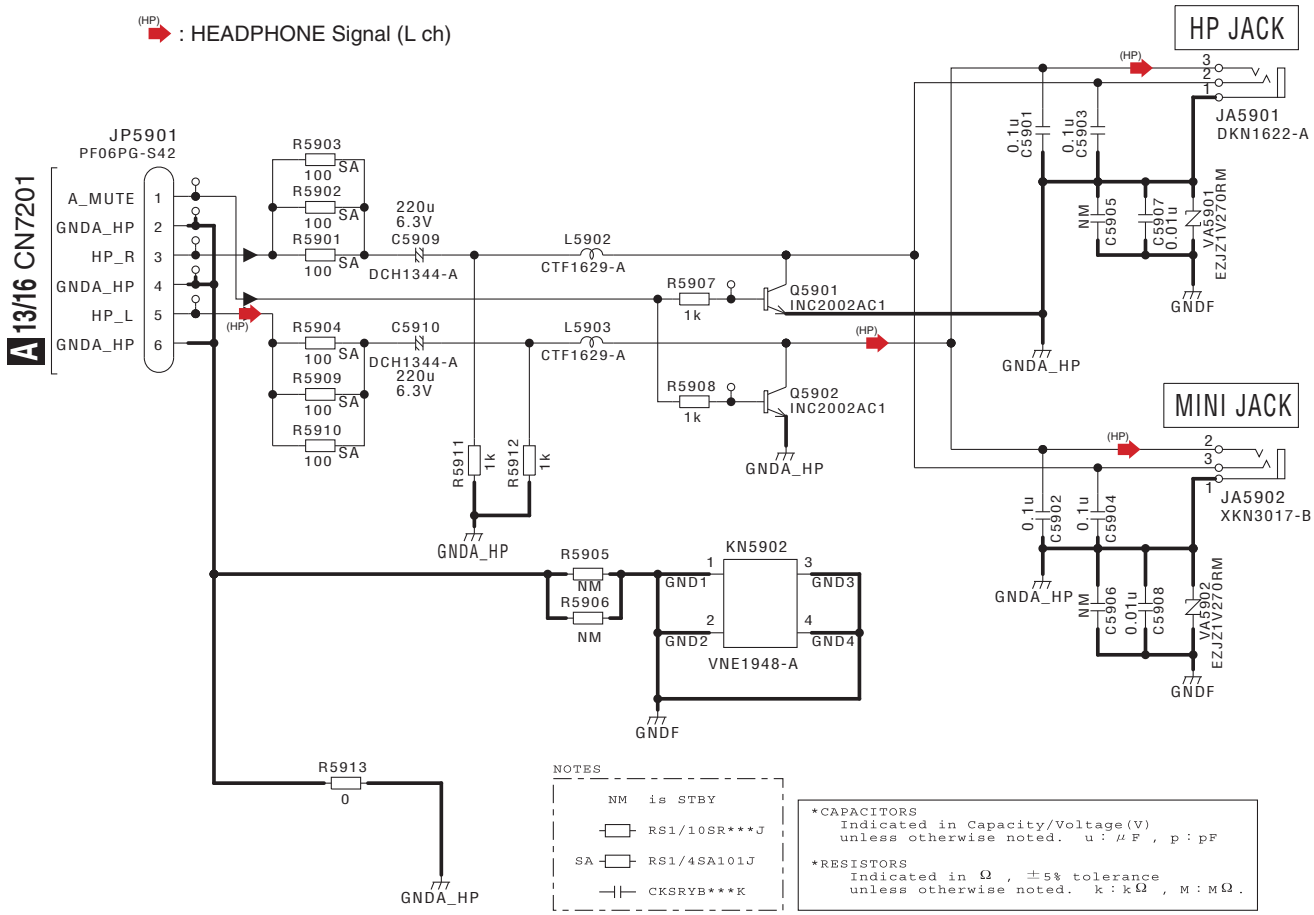
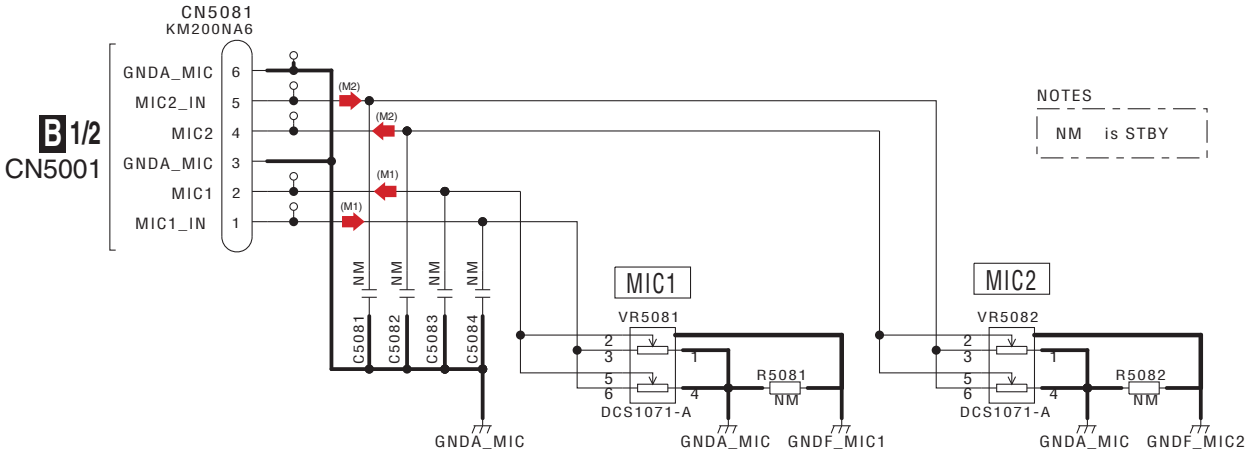
10.22 HPJB and MICT ASSYS

D HPJB ASSY (DWX3633)



E MICT ASSY (DWX3623)



D E

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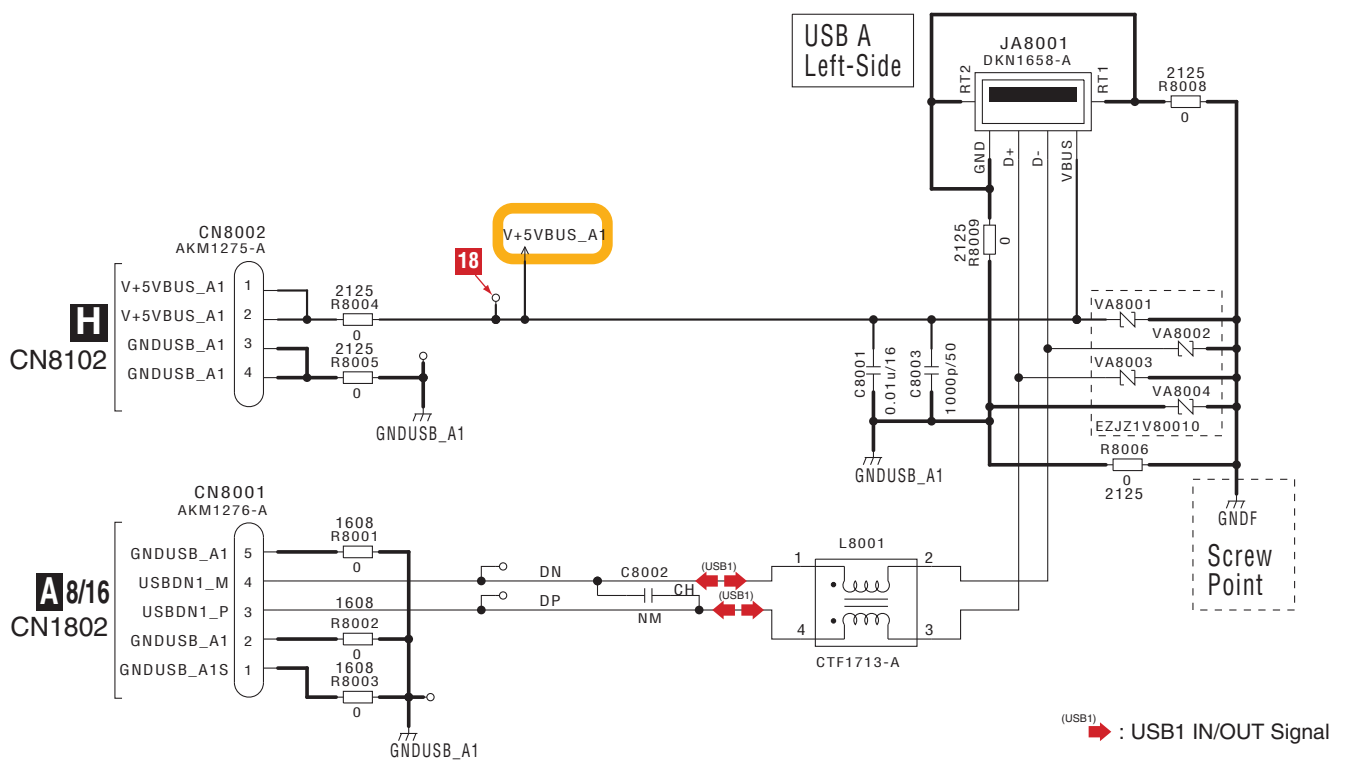
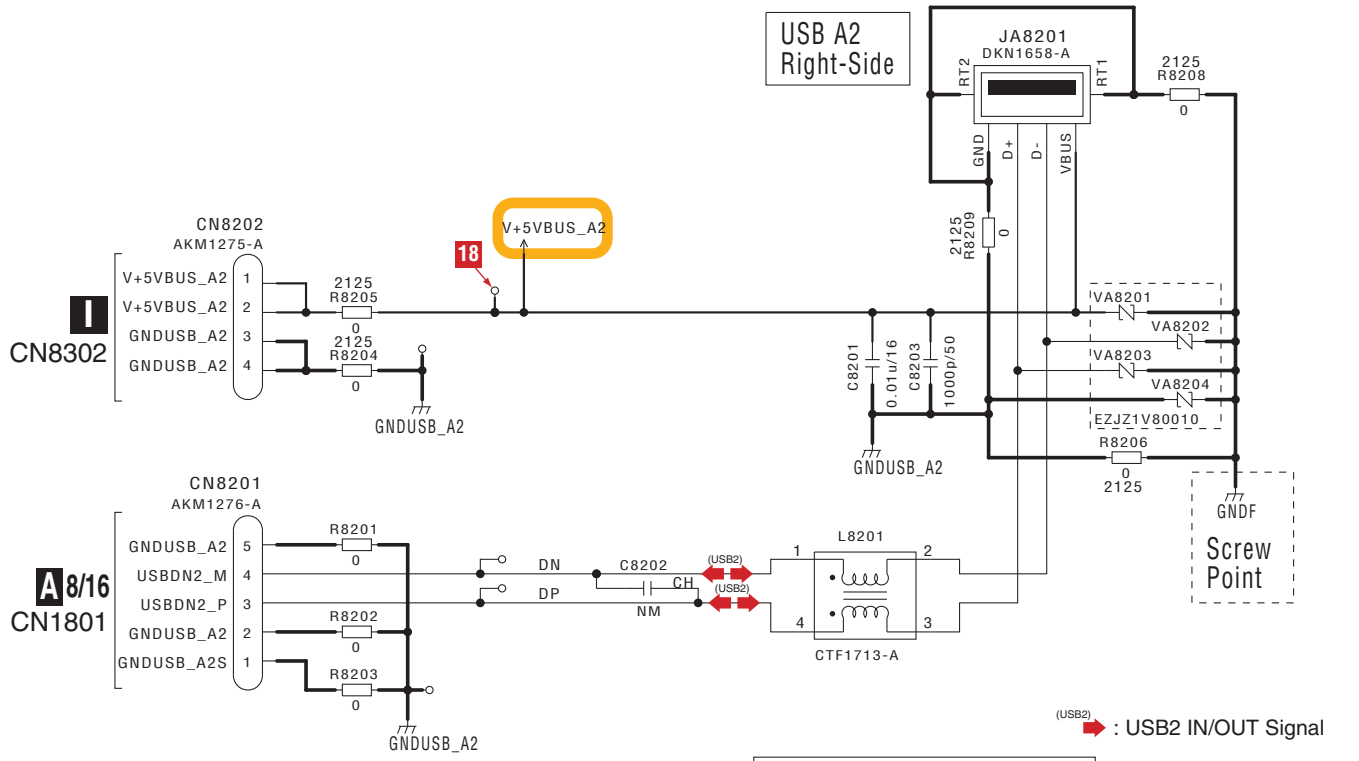
10.23 USB1 and USB2 ASSYS

F USB1 ASSY (DWX3620)



G USB2 ASSY (DWX3621)



*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

NOTES
NM is No Mount

RS1/16SS***J
RS1/10SR***J
RS1/8SQ***J
RS1/4SA***J
RS1/10SR****D,
or RS1/16SS****D
RS1/10SR****F,
or RS1/16SS****F
CKSSYB***K
CKSRYB***K
CKSQYB***K
CCSSCH***J
CCSRCH***J
CEVW***M

F G

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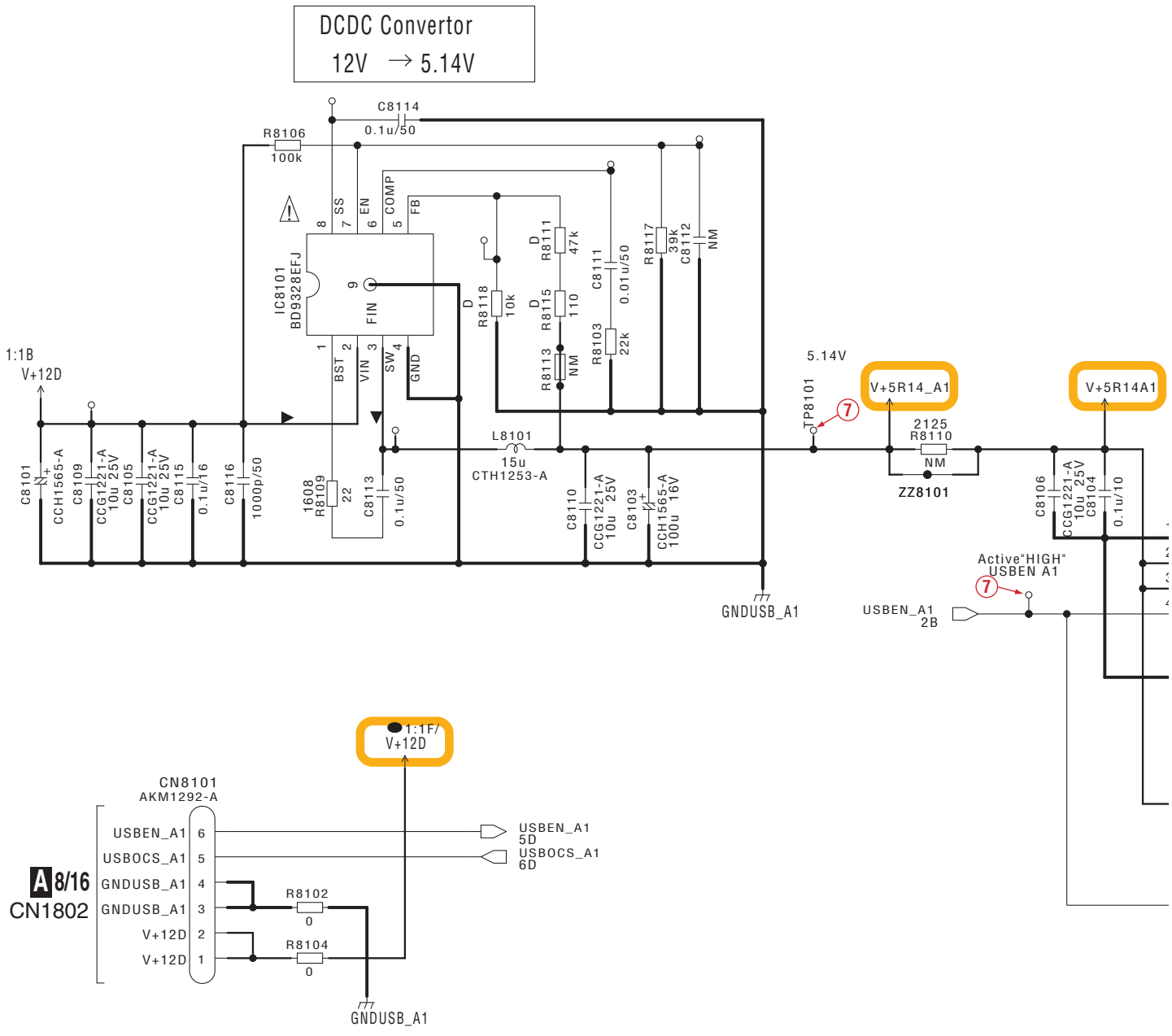
10.24 USBP1 ASSY



NOTES

NM is No Mount

RS1/16SS***J
RS1/10SR***J
RS1/8SQ***J
RS1/4SA***J
RS1/10SR****D, or RS1/16SS****D
RS1/10SR****F, or RS1/16SS****F
CKSSYB***K
CKSRYB***K
CKSQYB***K
CCSSCH***J
CCSRCH***J
CEVW***M

*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

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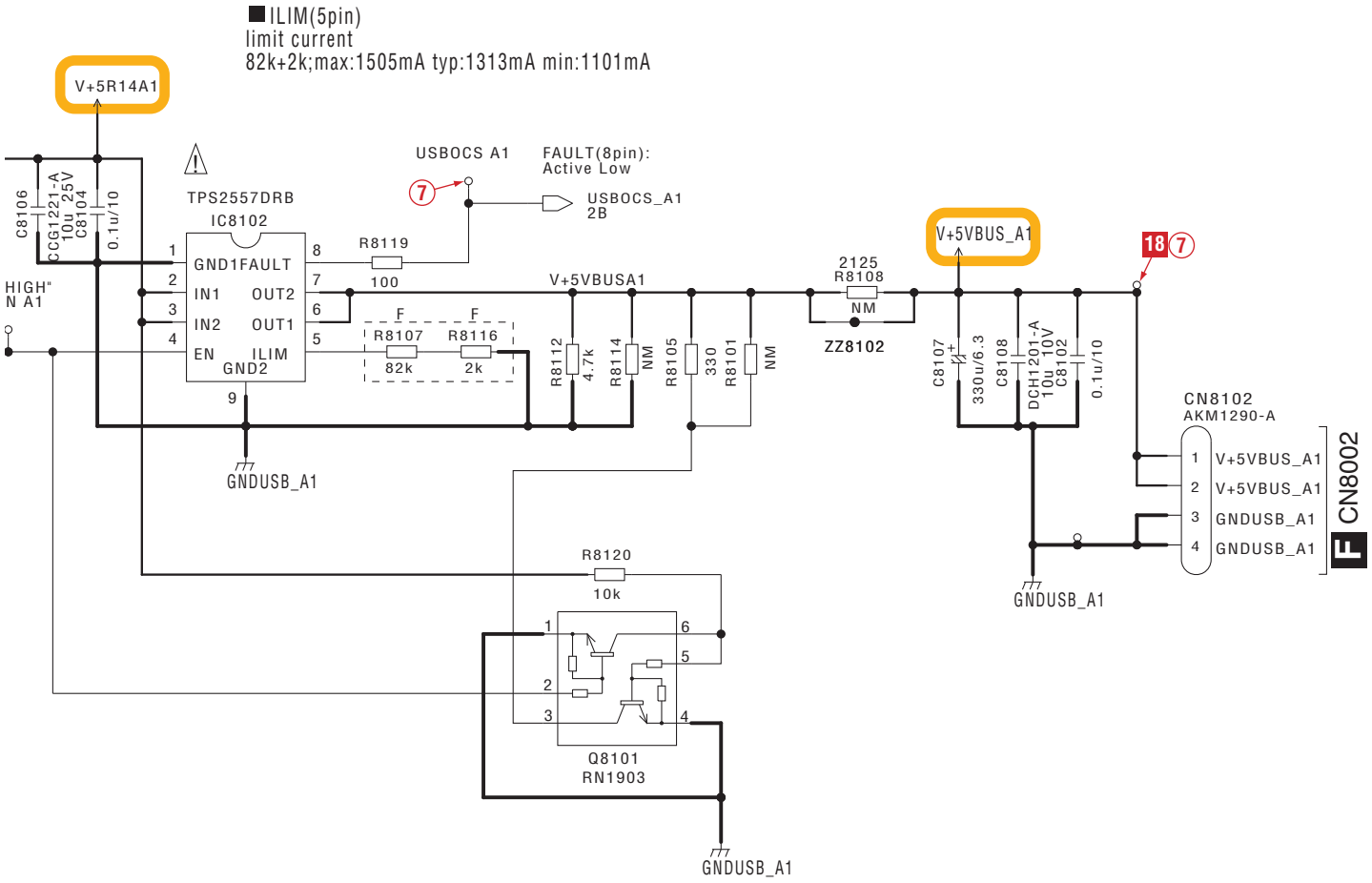
H USBP1 ASSY (DWX3636)



The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

⚠ 印の部品は、安全上重要な部品です。
交換するときは、安全および性能維持のため
必ず指定の部品をご使用ください。

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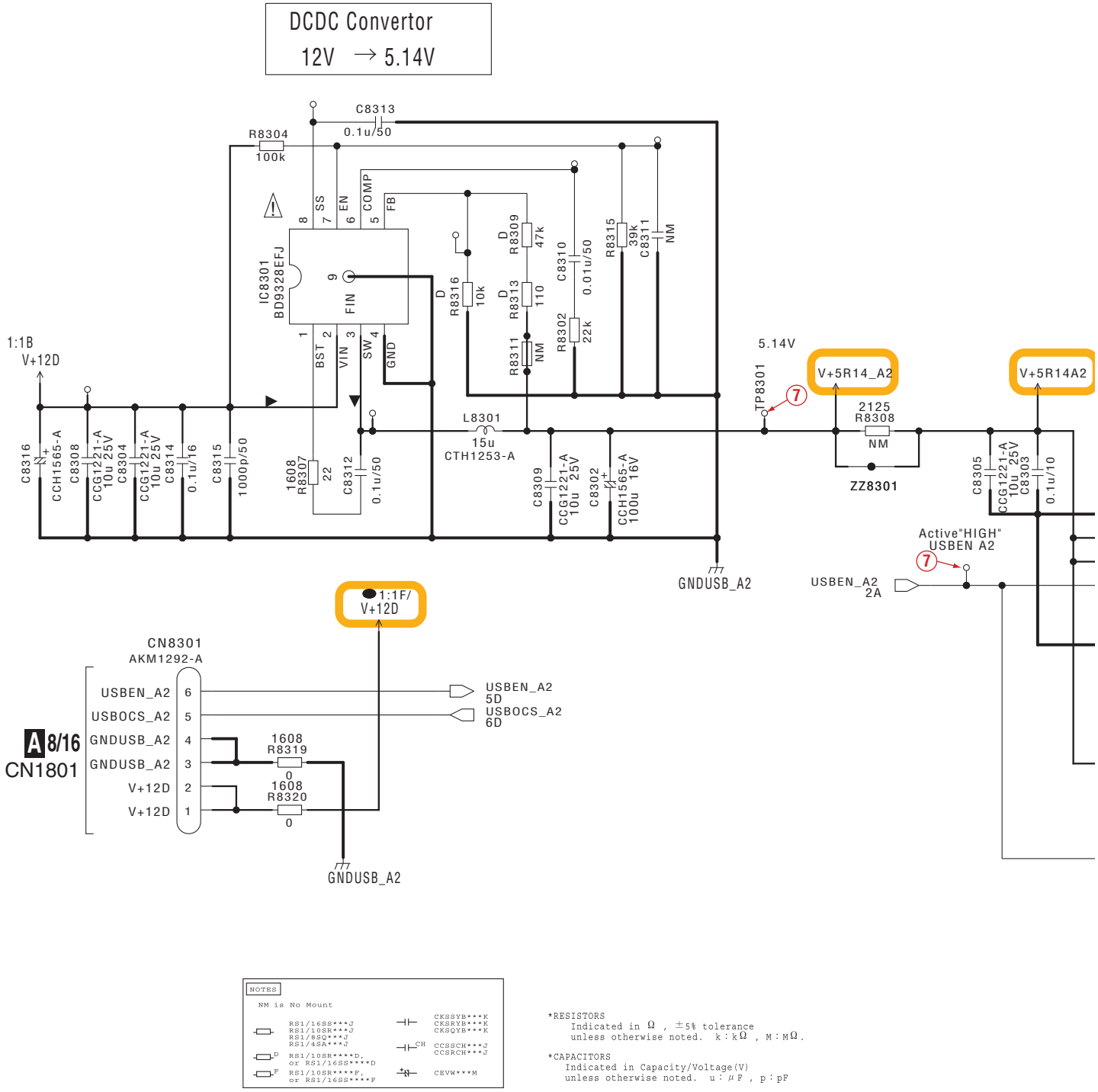
10.25 USBP2 ASSY



NOTES

NM is No Mount

RS1/16SS***J
RS1/10SR***J
RS1/8SQ***J
RS1/4SA***J

RS1/10SR****D,
or RS1/16SS****D

RS1/10SR****F,
or RS1/16SS****F

CKSSYB***K
CKSRYB***K
CKSQYB***K

CCSSCH***J
CCSRCH***J

CEVW***M

*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

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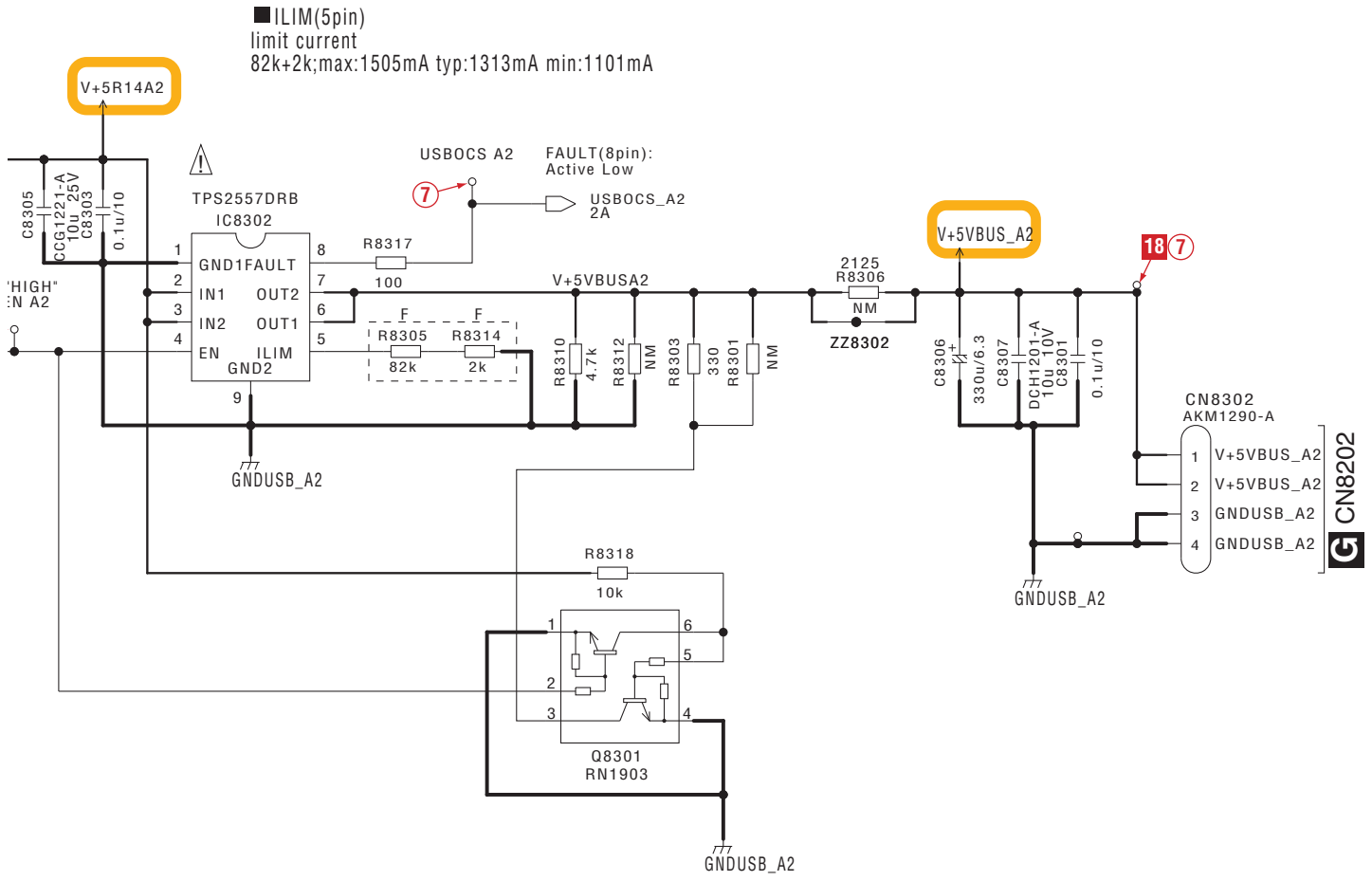
USBP2 ASSY (DWX3637)



The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

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交換するときは、安全および性能維持のため
必ず指定の部品をご使用ください。

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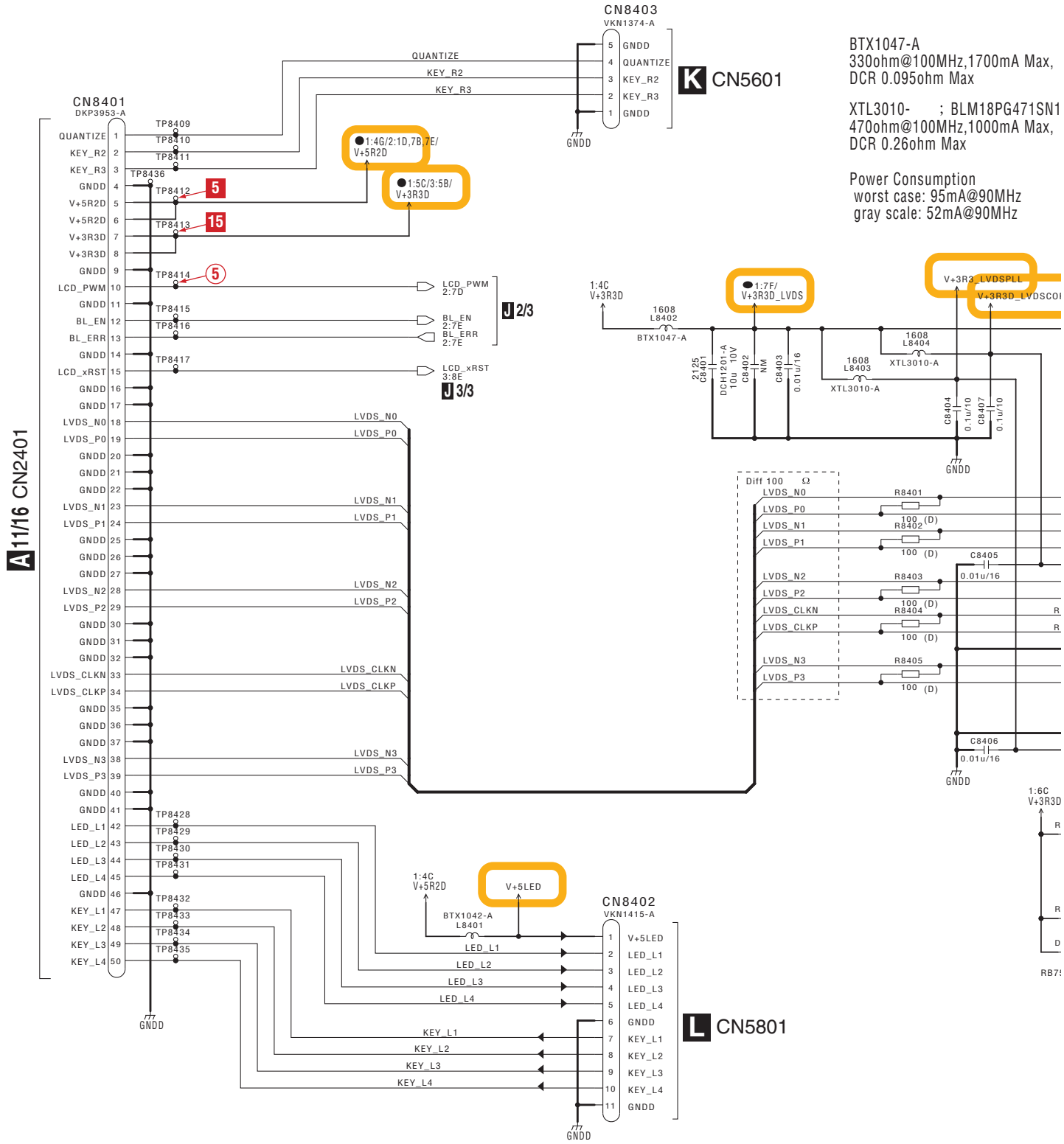
10.26 EXTB ASSY (1/3)



J 1/3

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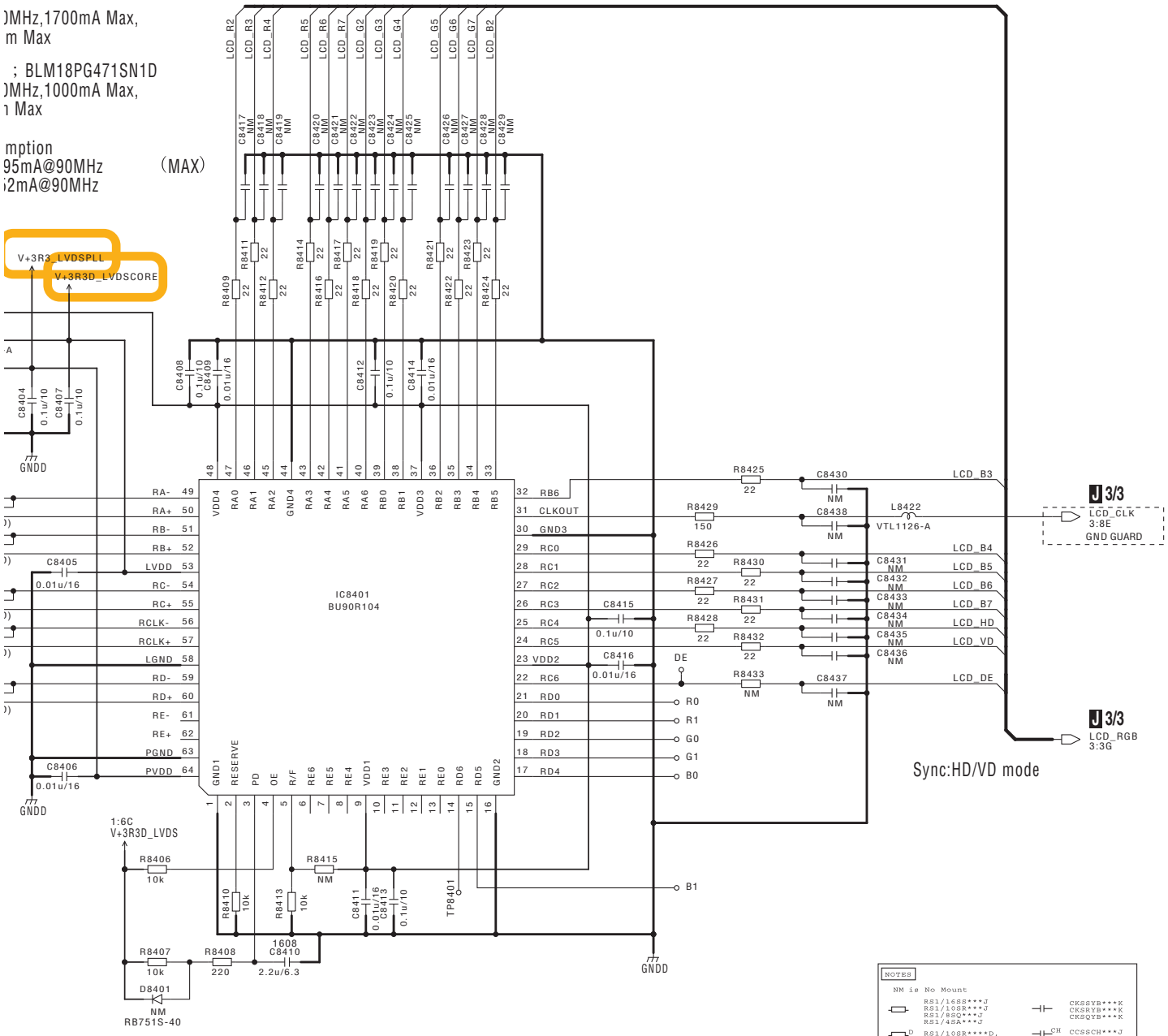
J 1/3 EXTB ASSY (DWX3622)

)MHz,1700mA Max,
m Max

; BLM18PG471SN1D
)MHz,1000mA Max,
ı Max

mption
95mA@90MHz (MAX)
i2mA@90MHz



NOTES

NM is No Mount

RS1/16SS***J
RS1/10SR***J
RS1/8SQ***J
RS1/4SA***J
CKSSYB***K
CKSRYB***K
CKSQYB***K

D RS1/10SR****D, or RS1/16SS****D
CH CCSSCH***J
CCSRCH***J

F RS1/10SR****F, or RS1/16SS****F
CEVW***M

*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

J 1/3

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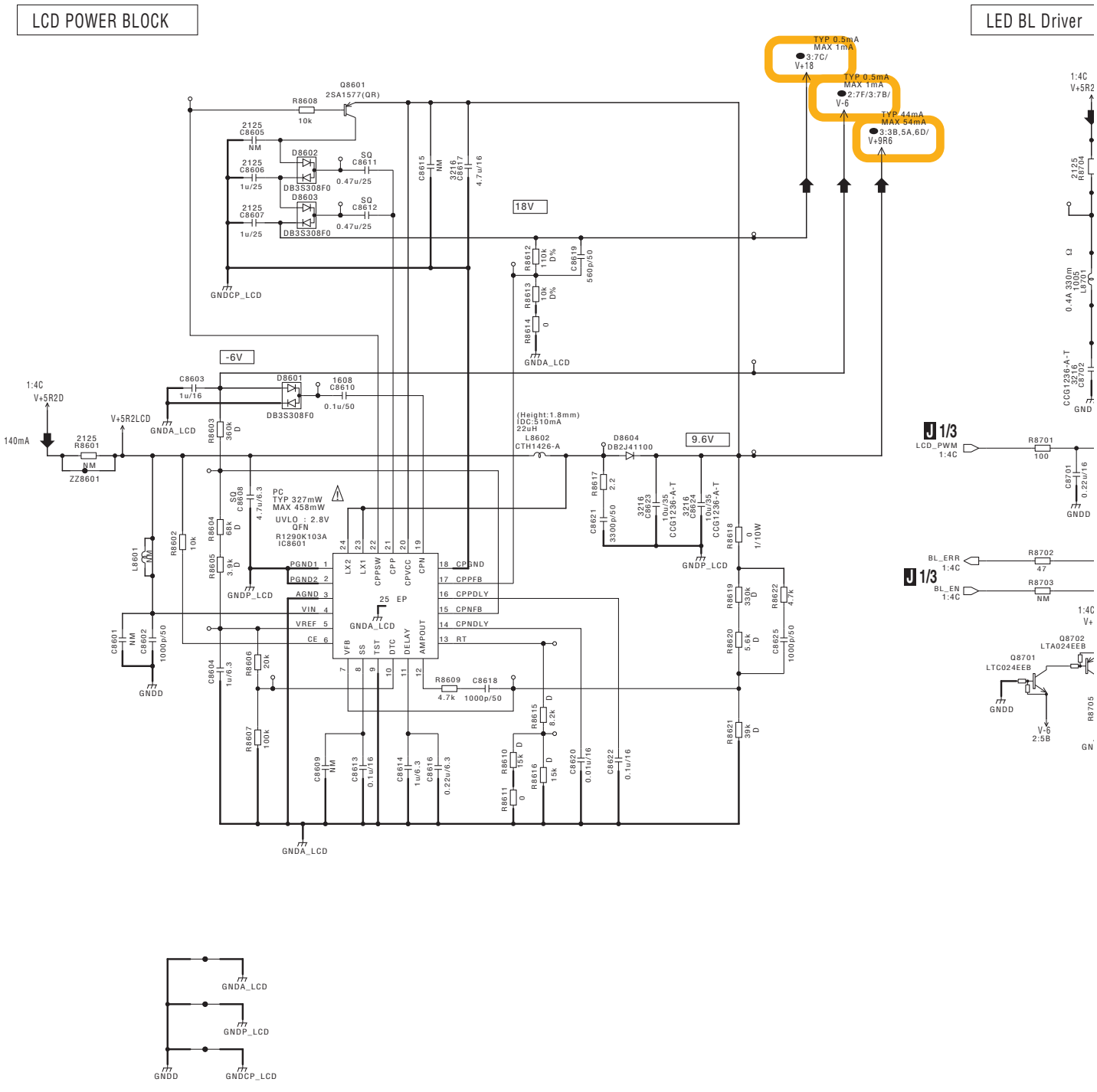
10.27 EXTB ASSY (2/3)



J 2/3

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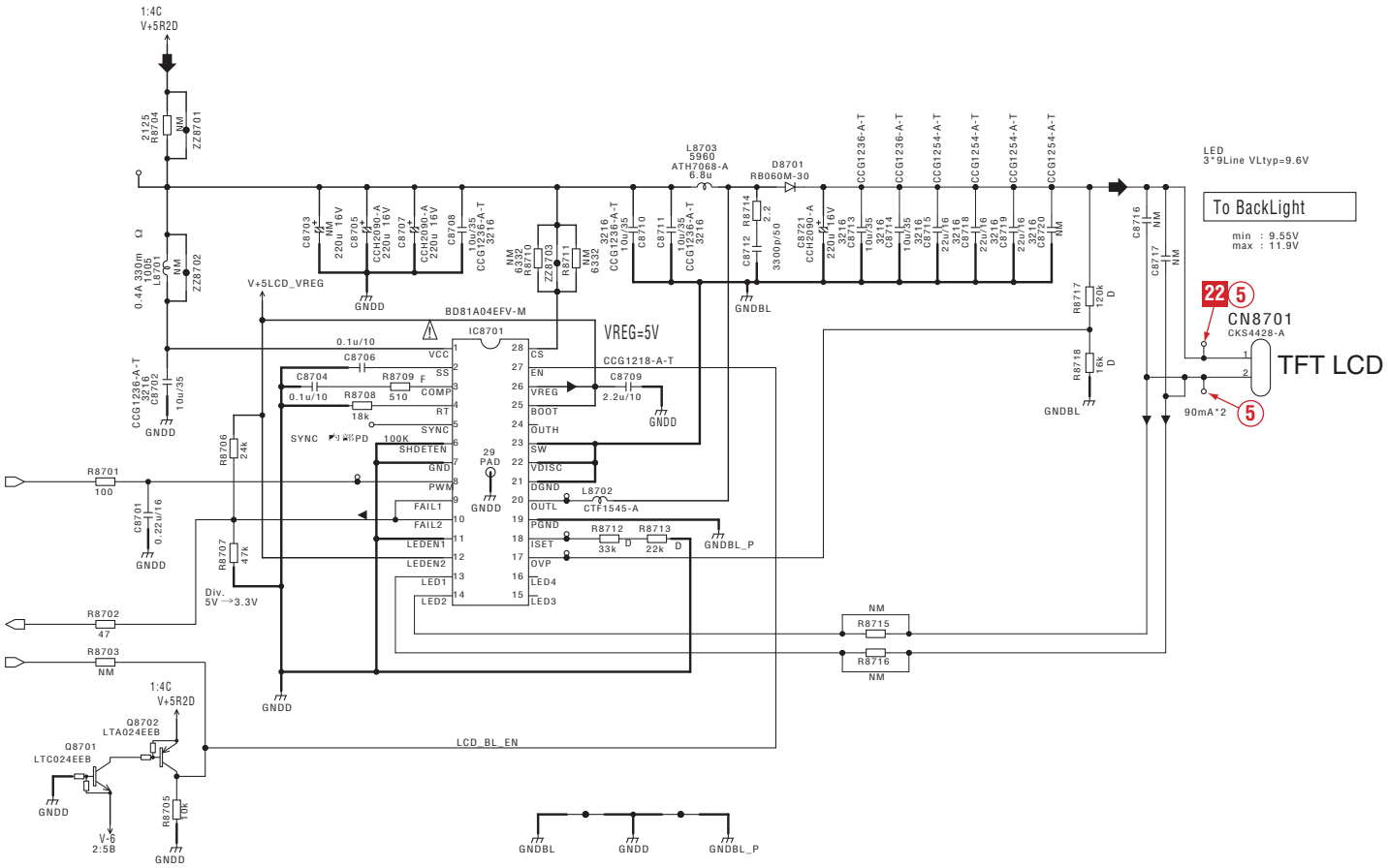
LED BL Driver



NOTES

NM is No Mount

	RS1/16SS***J RS1/10SR***J RS1/8SQ***J RS1/4SA***J		CKSSYB***K CKSRYB***K CKSQYB***K
D	RS1/10SR****D, or RS1/16SS****D	CH	CCSSCH***J CCSRCH***J
F	RS1/10SR****F, or RS1/16SS****F		CEVW***M

*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

⚠ 印の部品は、安全上重要な部品です。
交換するときは、安全および性能維持のため
必ず指定の部品をご使用ください。

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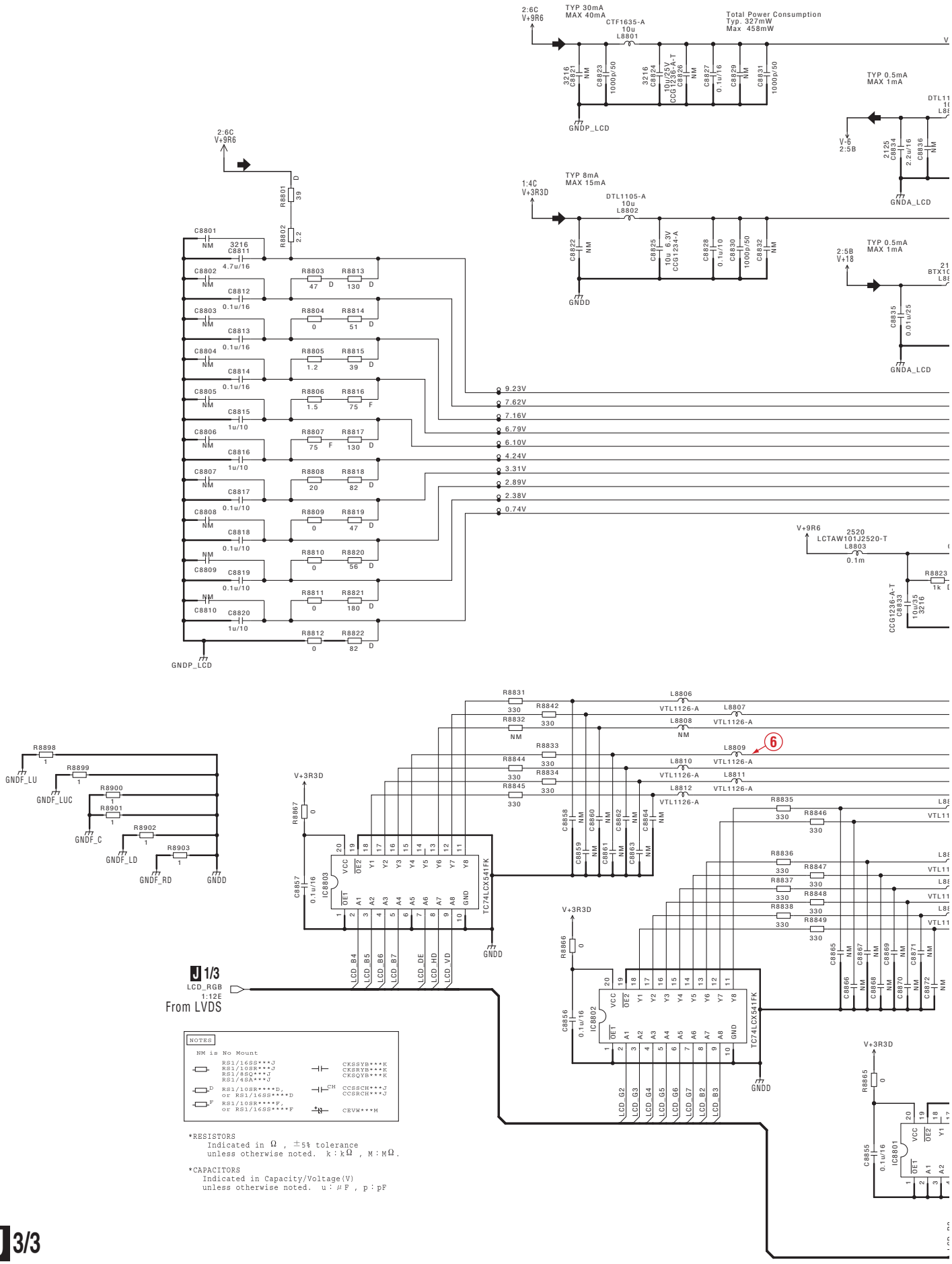
10.28 EXTB ASSY (3/3)



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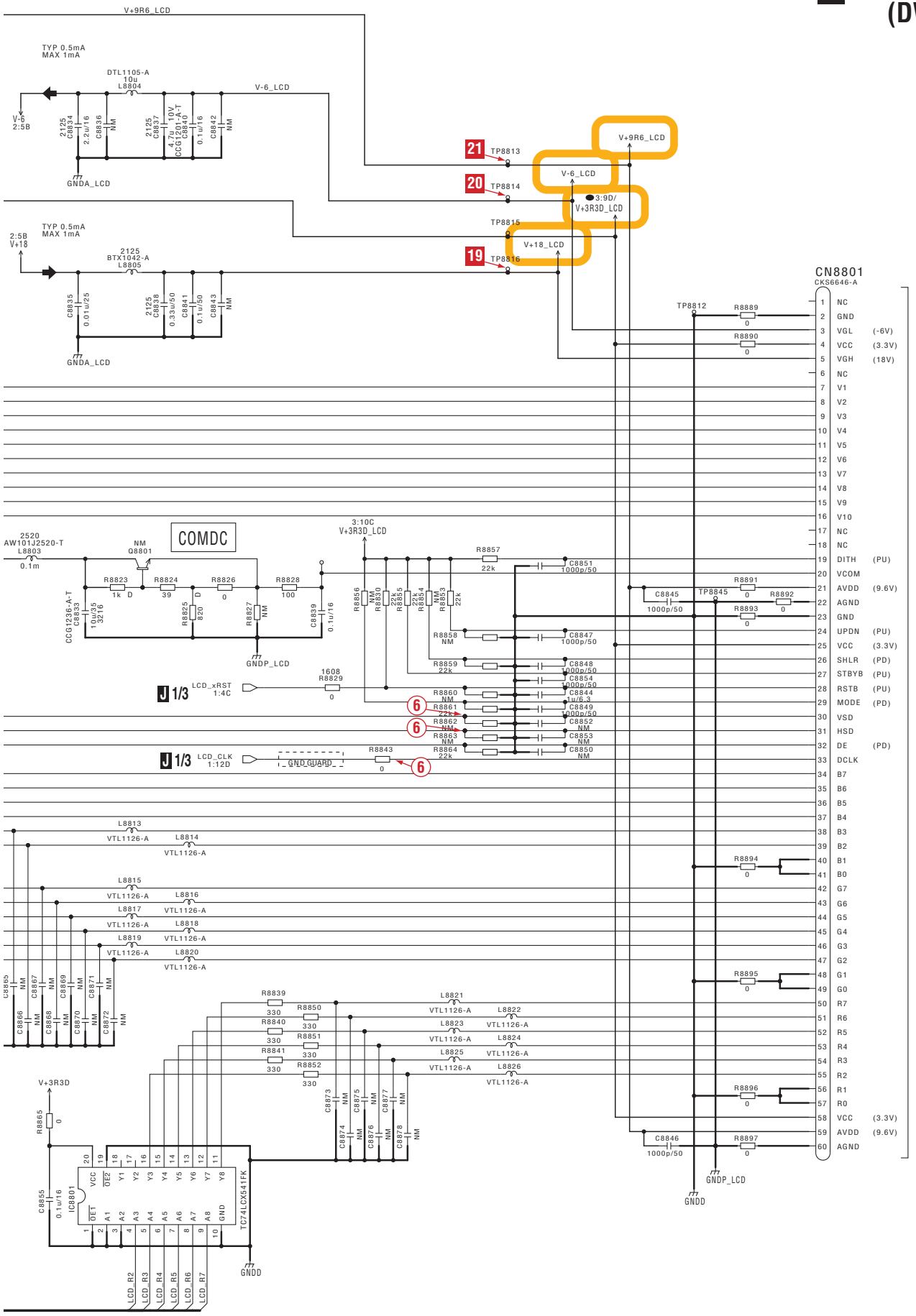
J 3/3 EXTB ASSY (DWX3622)



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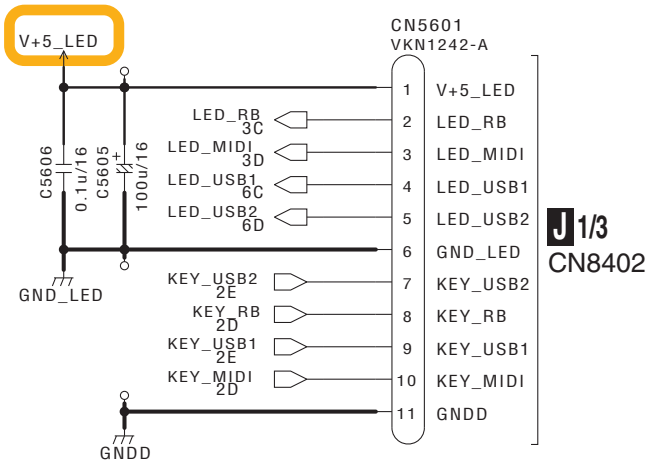
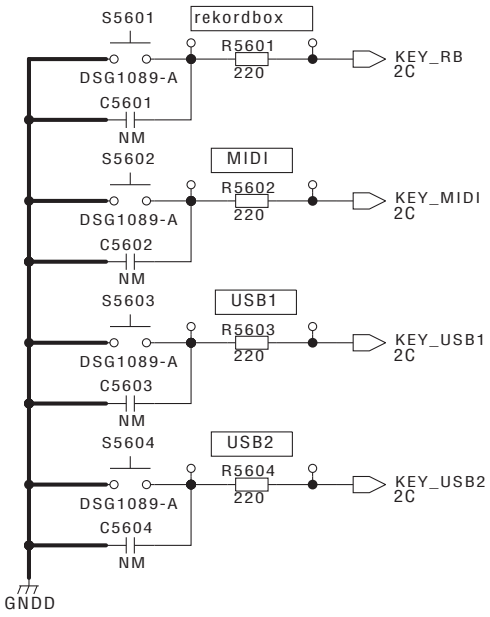
10.29 DPNL1 and DPNL2 ASSYS

K DPNL1 ASSY (DWX3634)





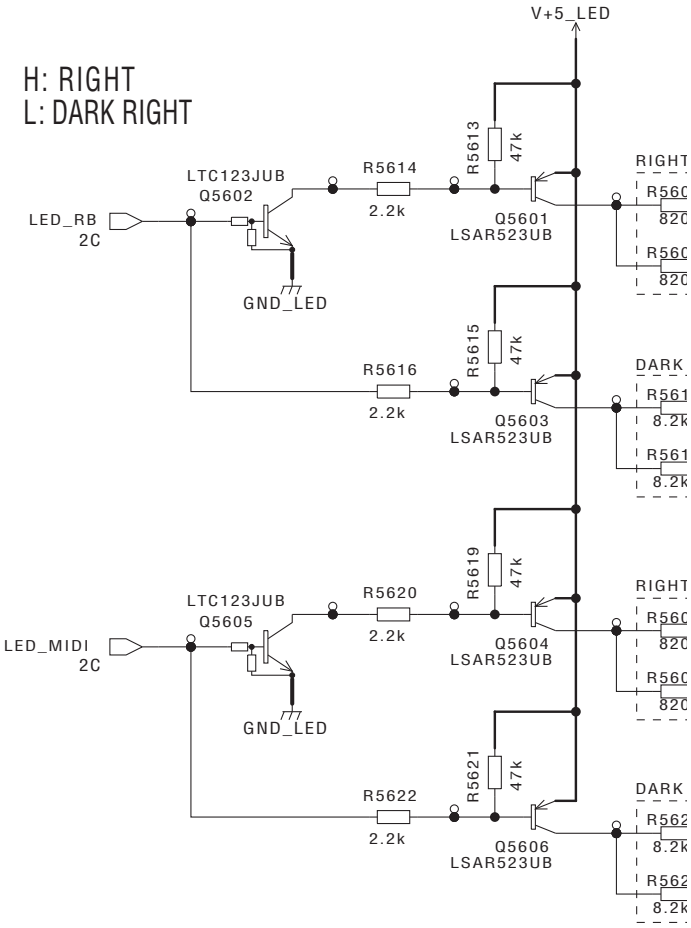
NOTES

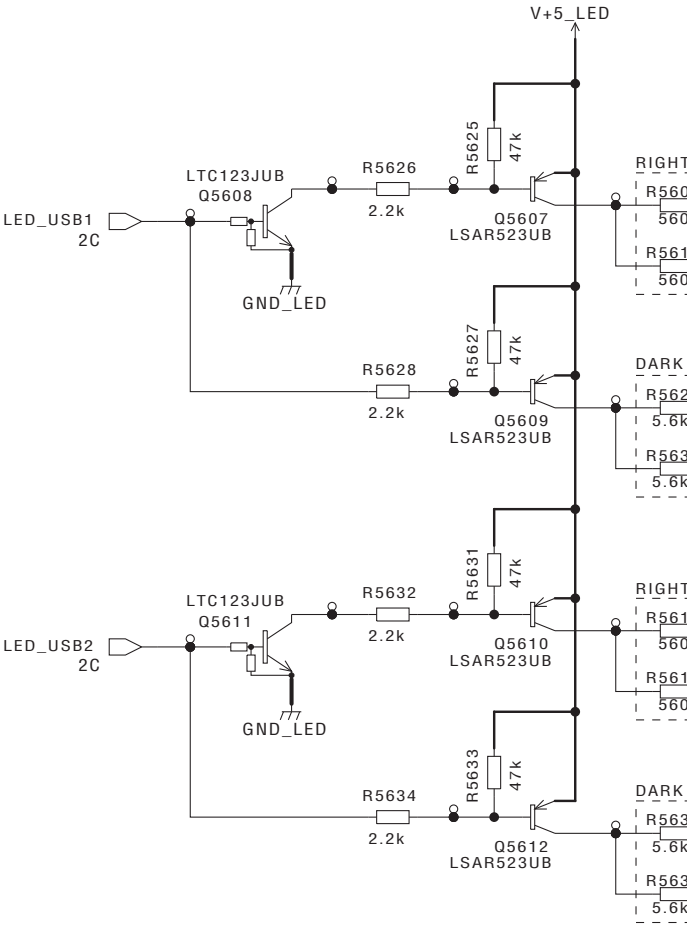
NM is STBY

RS1/10SR***J

CKSRYB104K

CEAT101M





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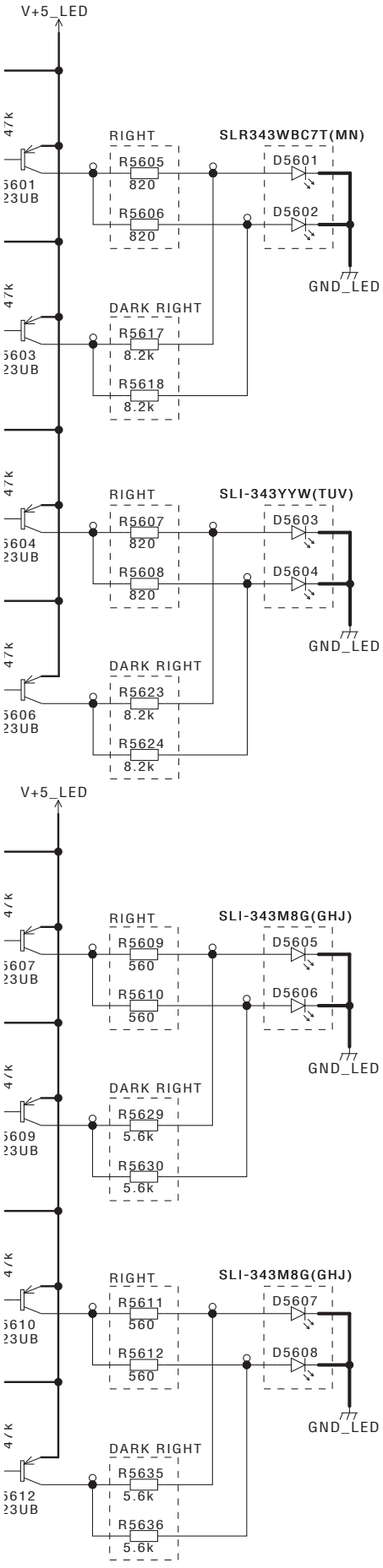
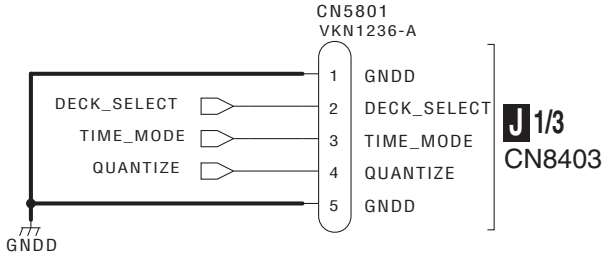
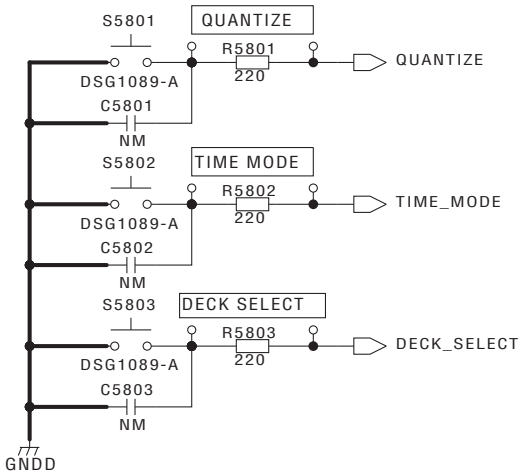
L DPNL2 ASSY (DWX3635)







NOTES

NM is STBY

RS1/10SR221J

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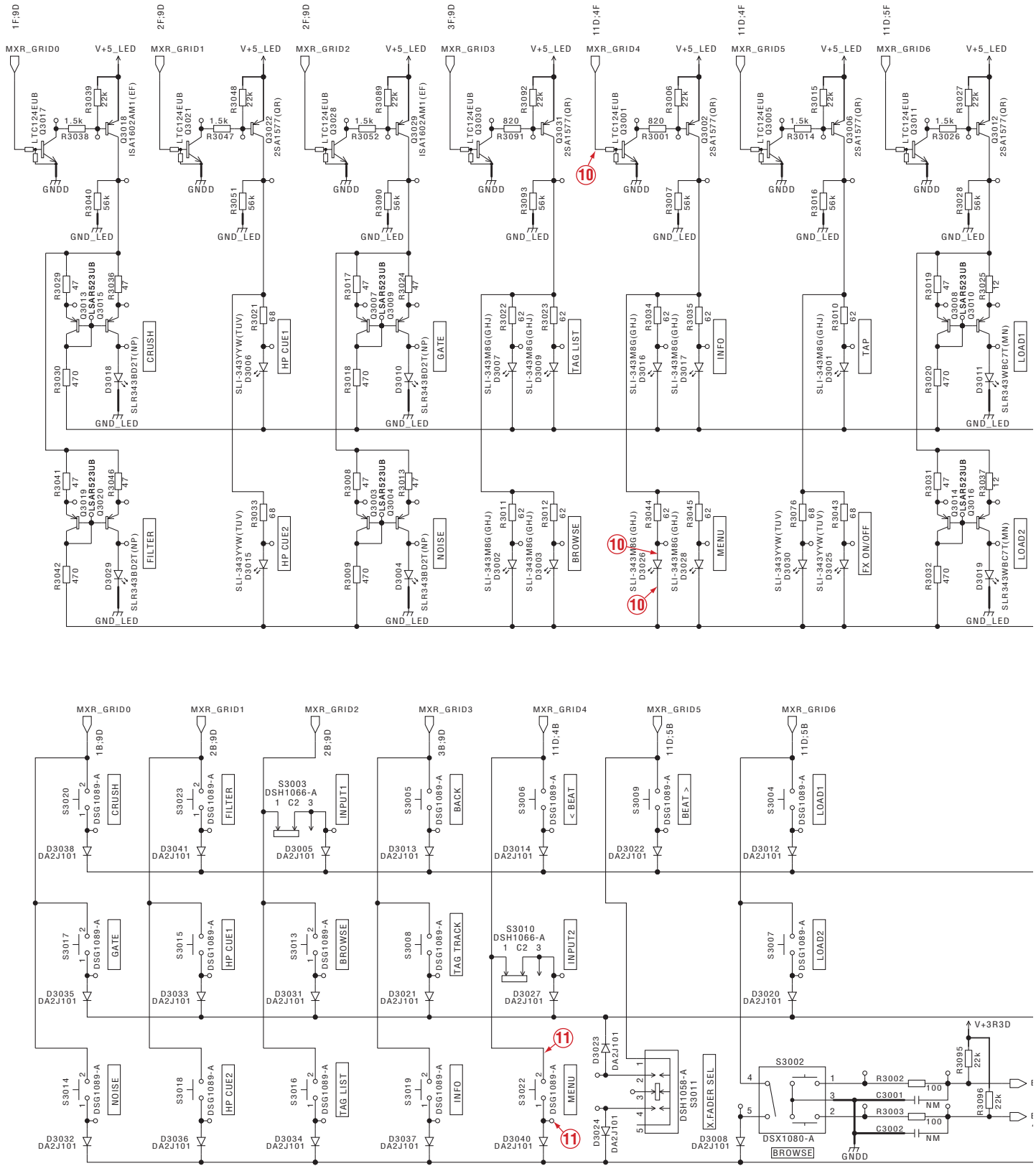
10.30 MIXB ASSY (1/4)



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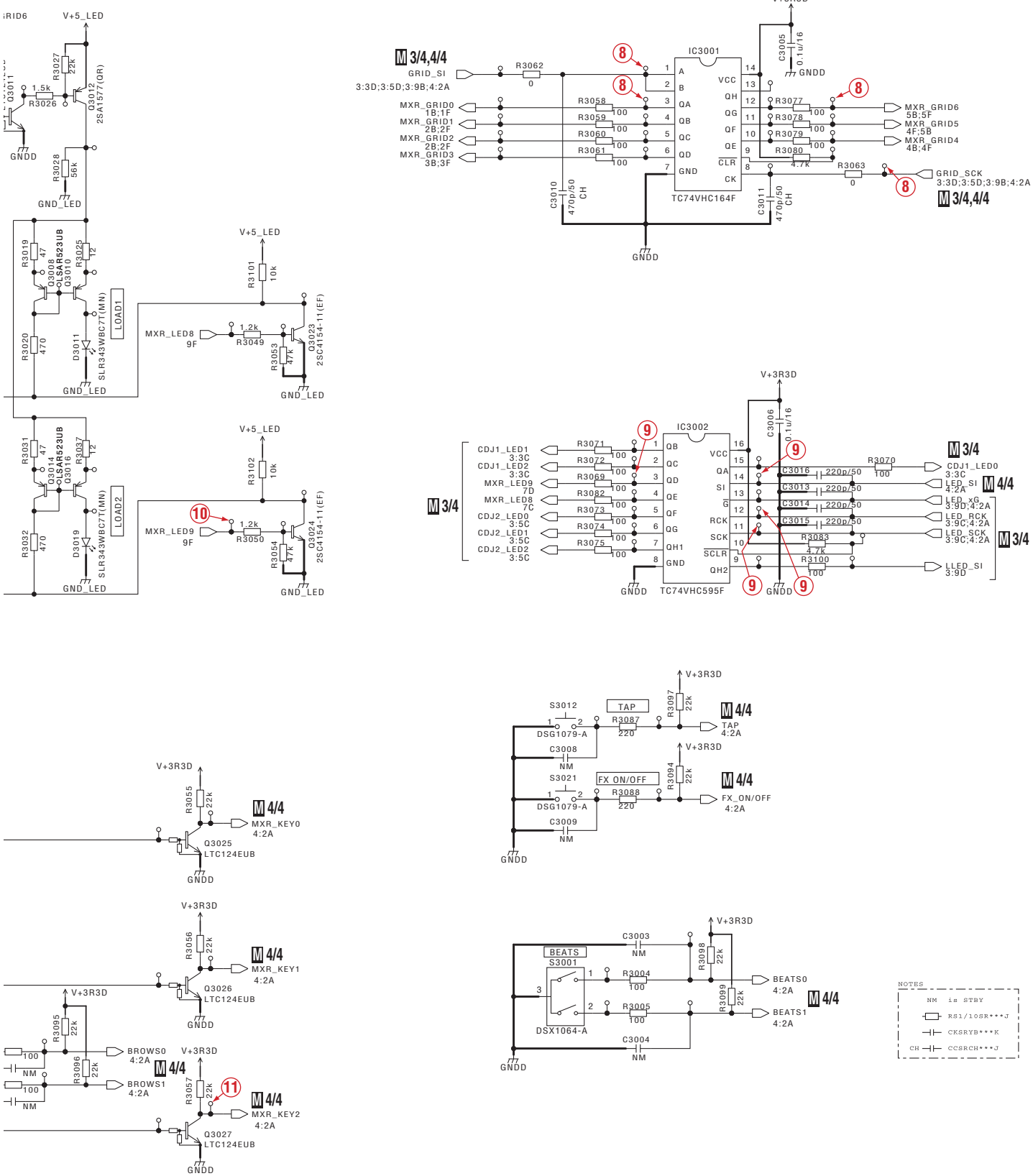
M 1/4 MIXB ASSY (DWX3613)



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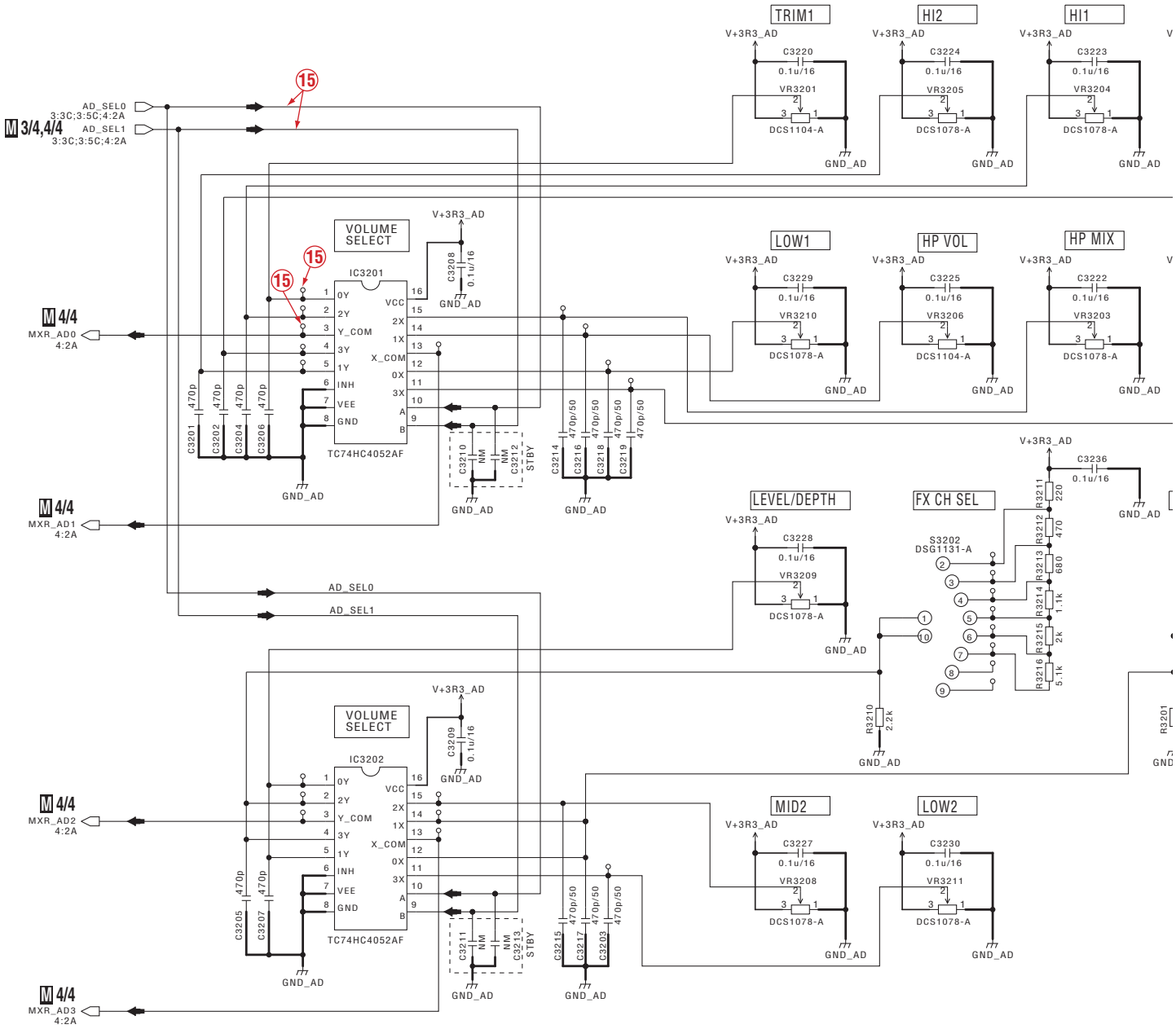
10.31 MIXB (2/4), CRFB and CHF1 ASSYS

M 2/4 MIXB ASSY (DWX3613)



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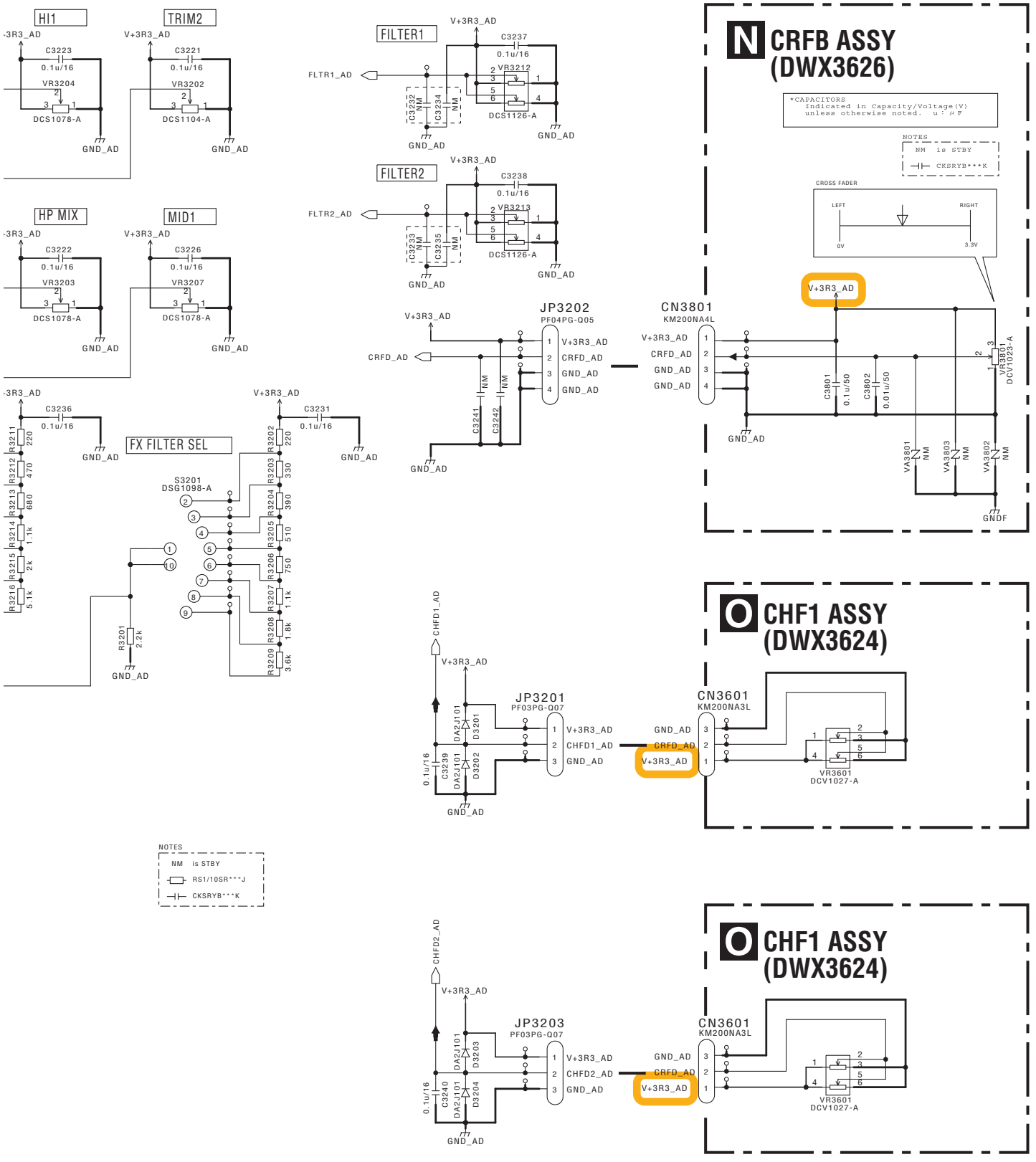

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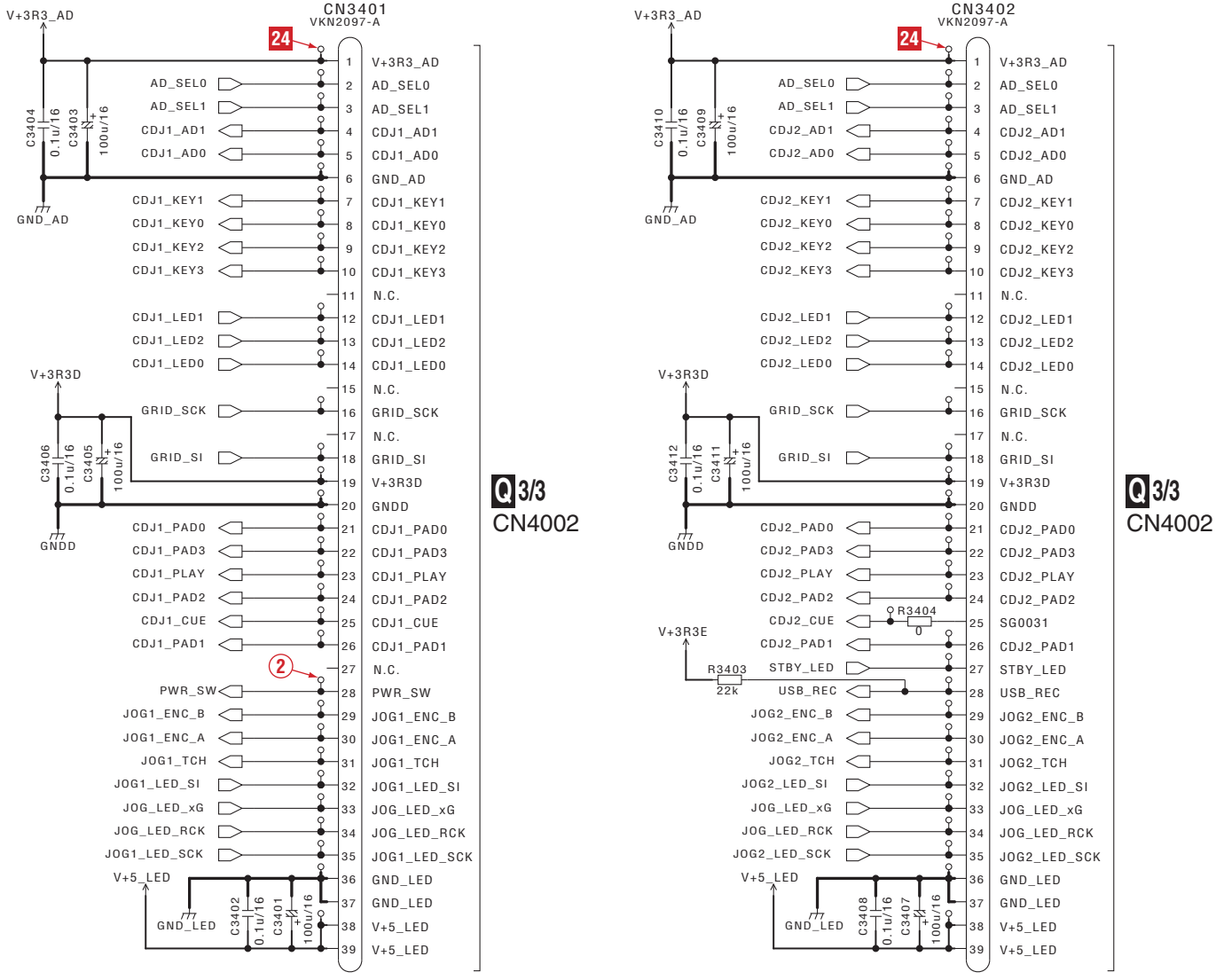
10.32 MIXB ASSY (3/4)



M 3/4

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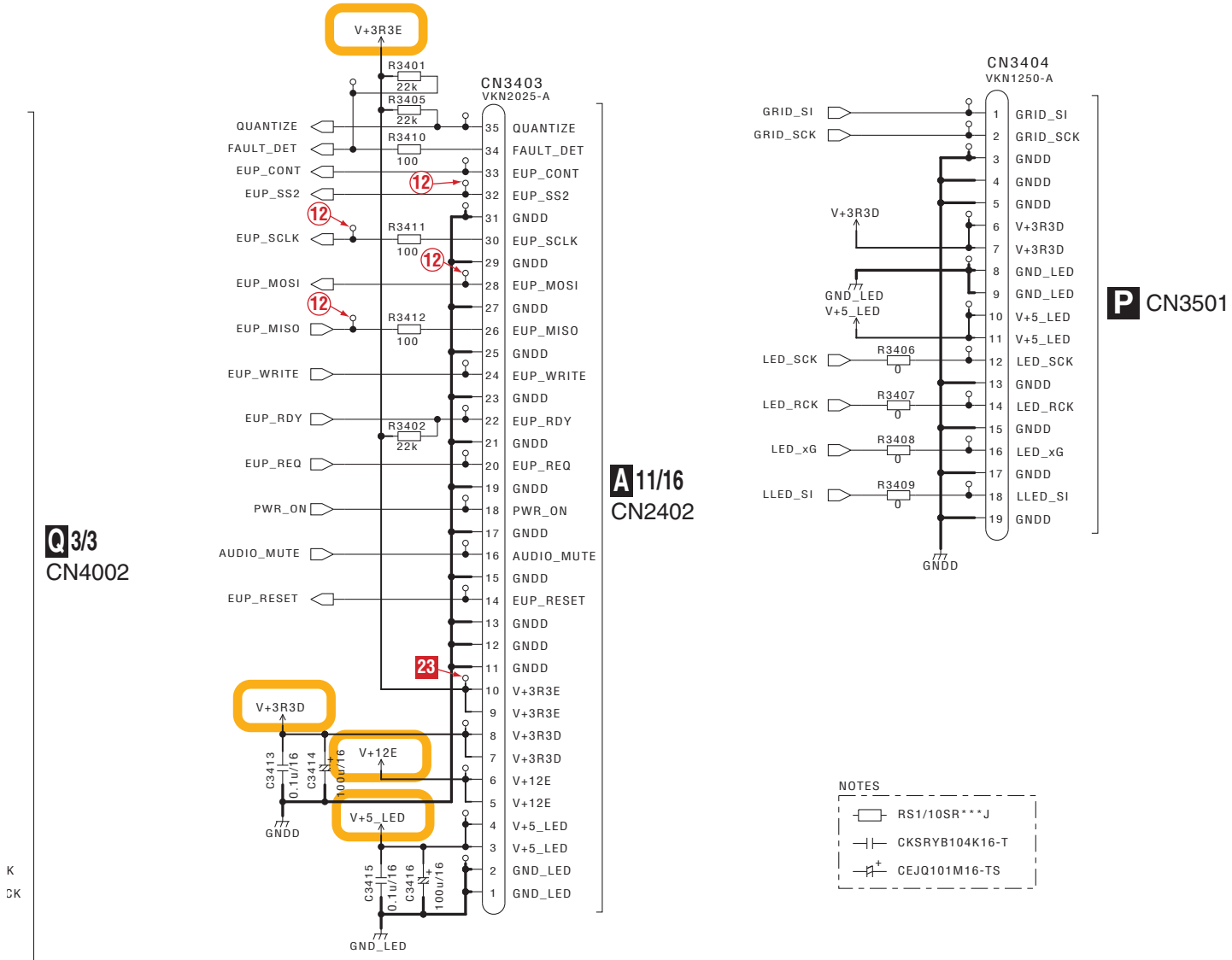
M 3/4 MIXB ASSY (DWX3613)



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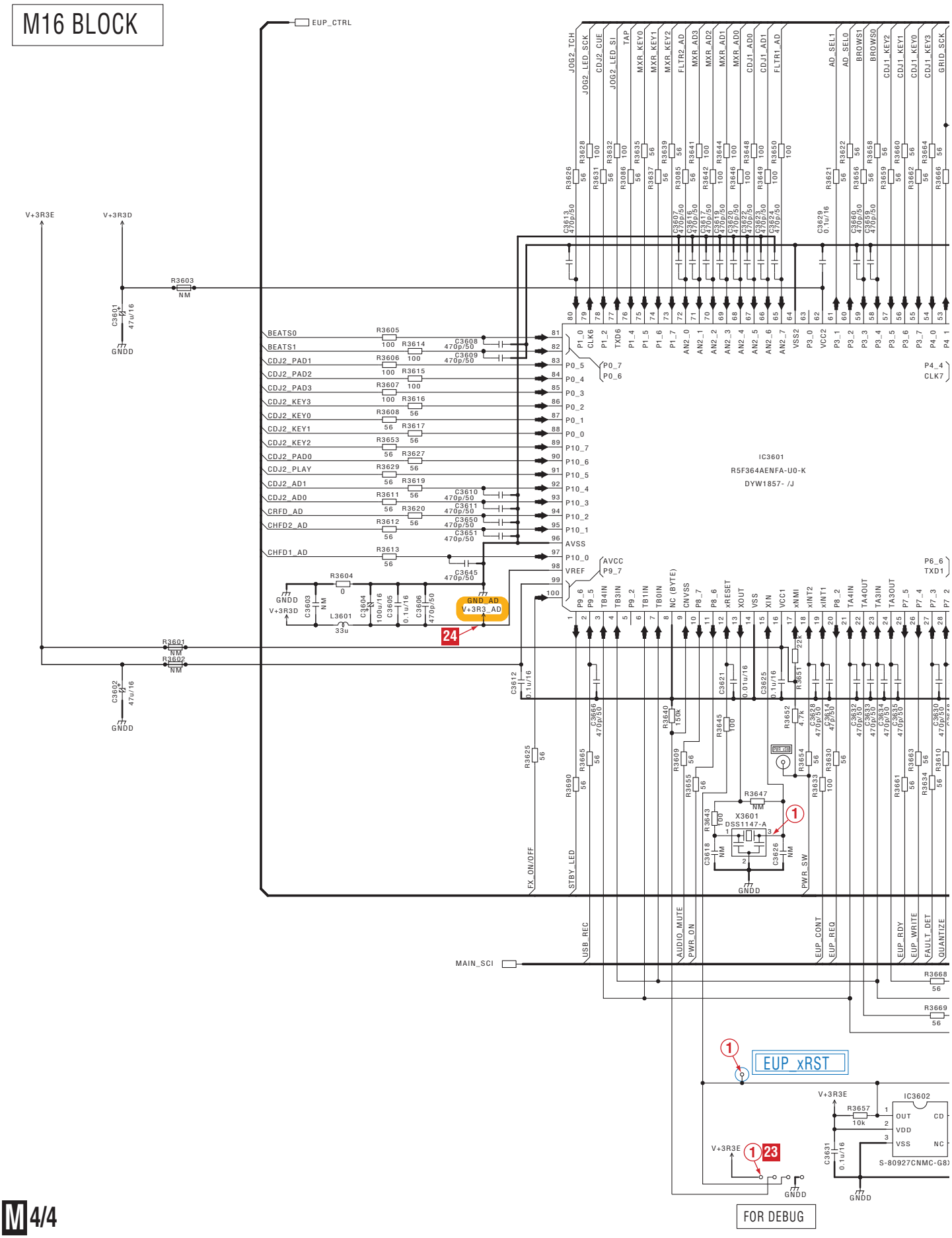
10.33 MIXB ASSY (4/4)



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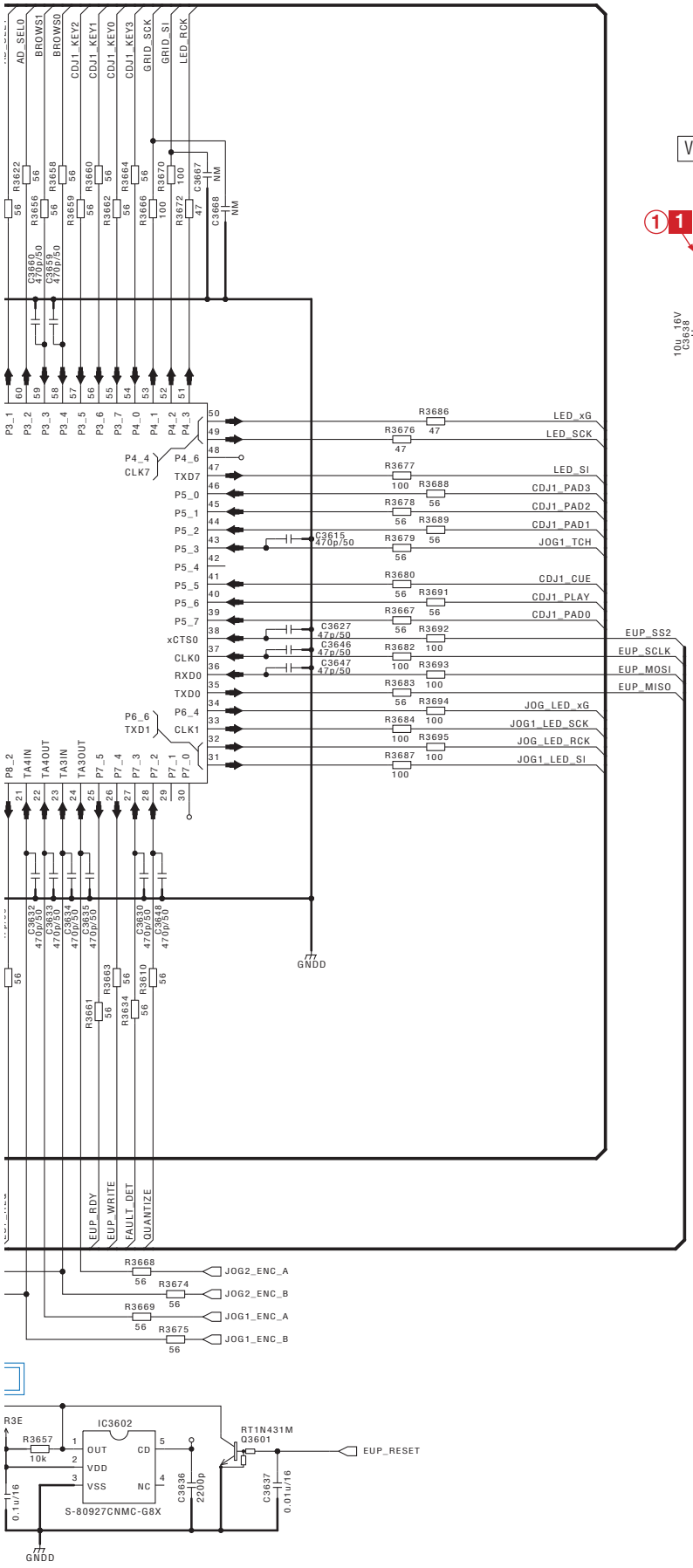
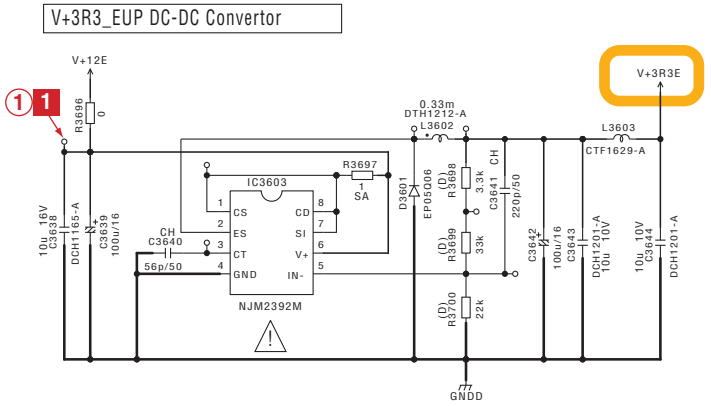
M 4/4 MIXB ASSY (DWX3613)





The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

⚠ 印の部品は、安全上重要な部品です。
交換するときは、安全および性能維持のため
必ず指定の部品をご使用ください。

NOTES
NM is STBY
RS1/10SR***J
SA RS1/4SA1R0J
CKSRYB***K
CH CCSRCH***J
CEJQ***M

***** The check point for service. (Legend silk indication on the PCB.)

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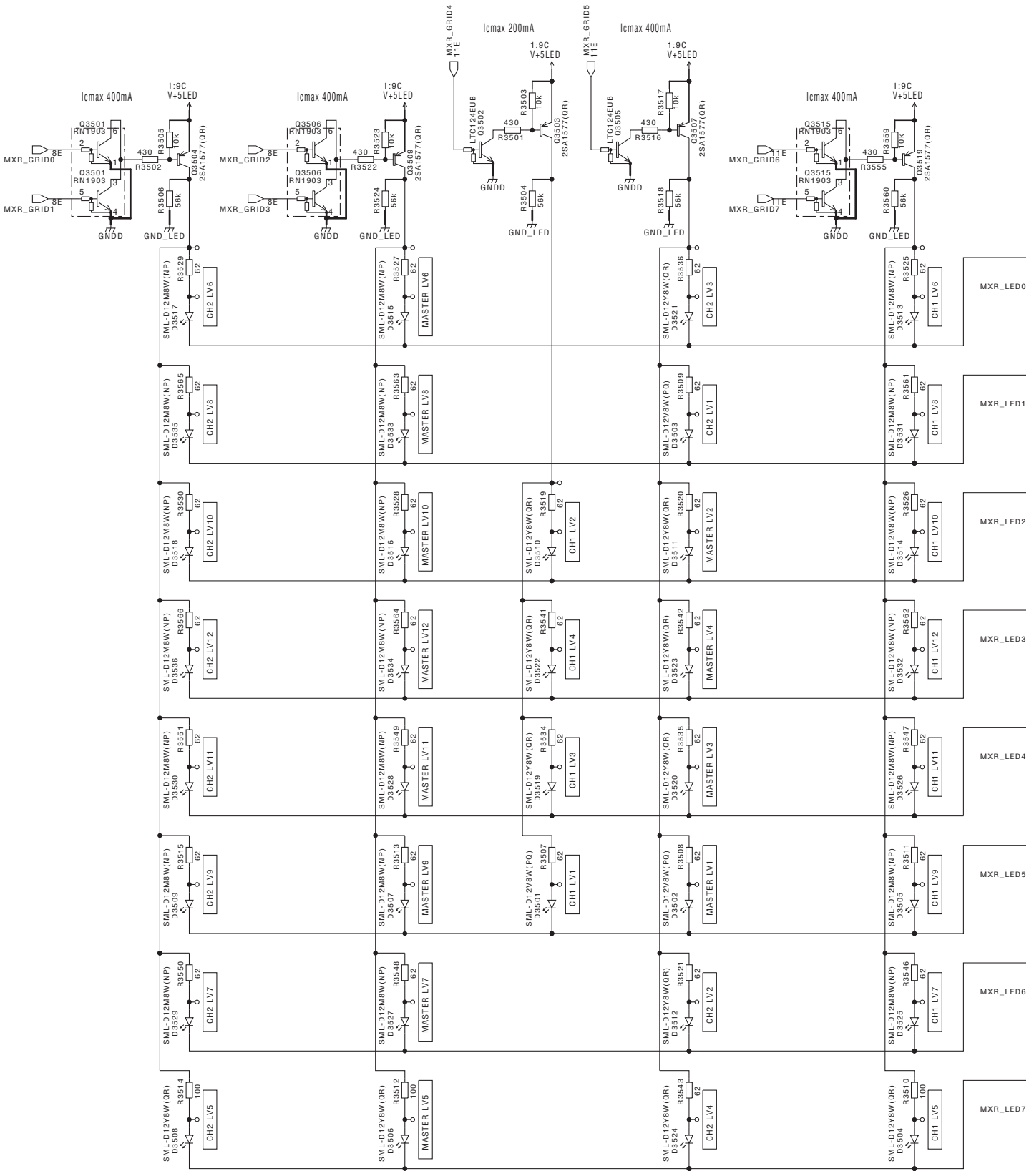
10.34 LLED ASSY



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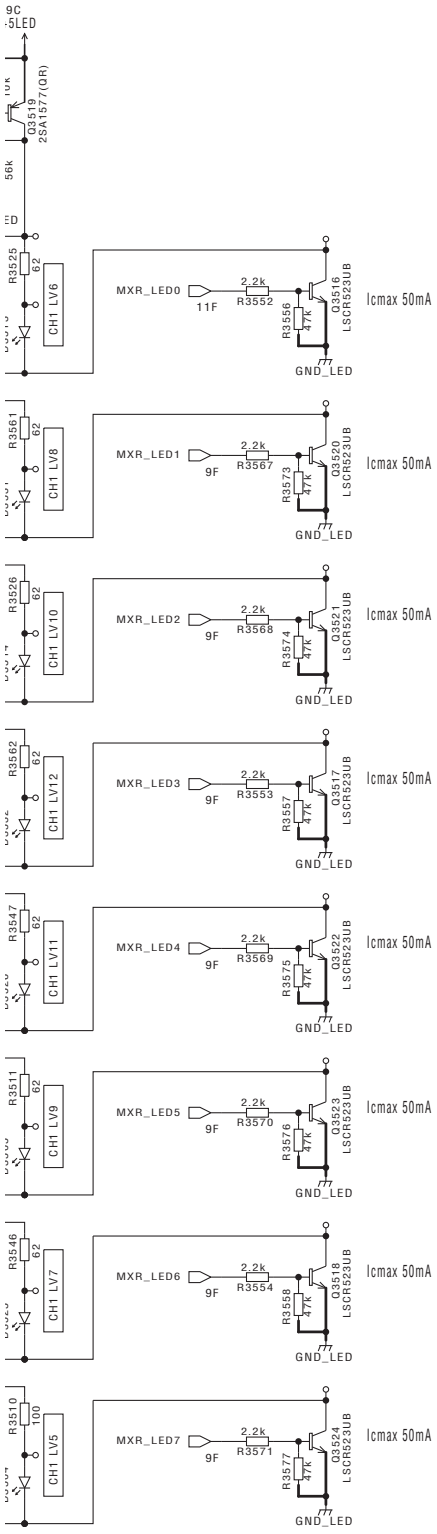

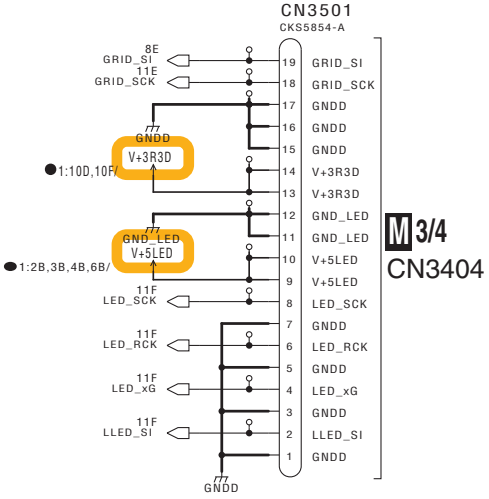

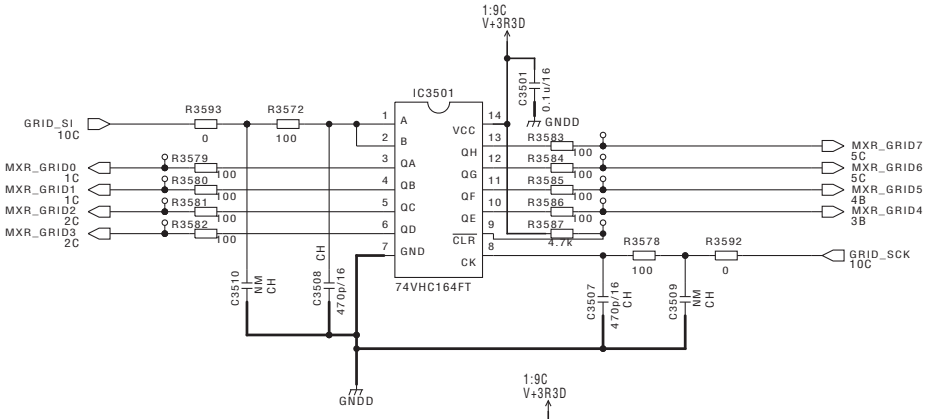

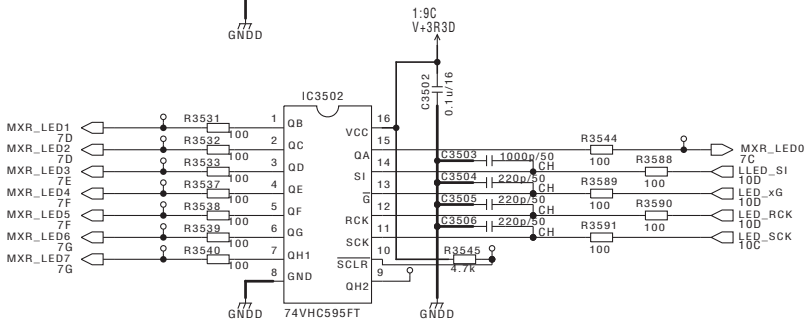

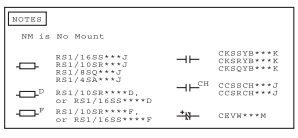

*RESISTORS
Indicated in Ω , ±5% tolerance
unless otherwise noted. k : kΩ , M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF , p : pF

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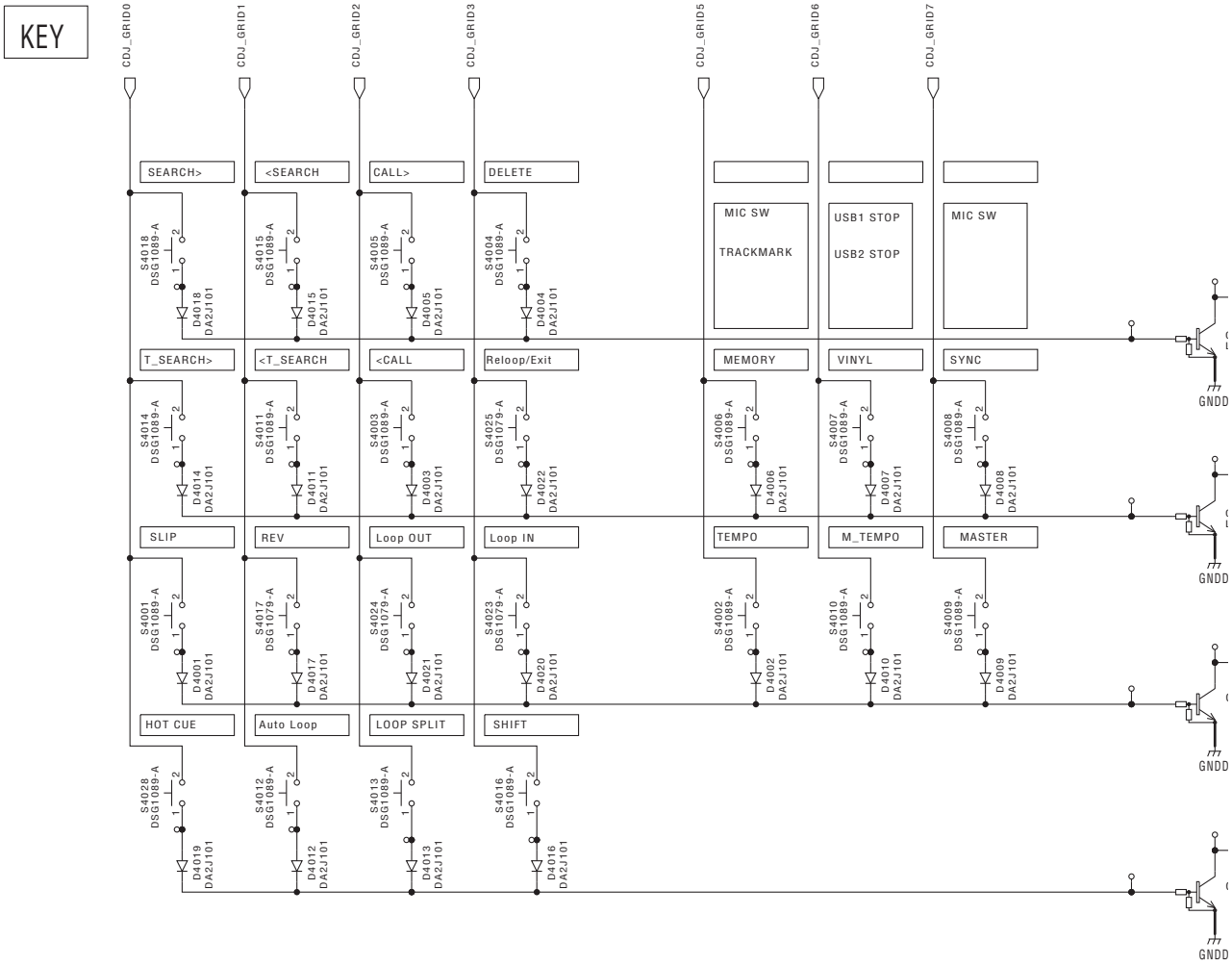
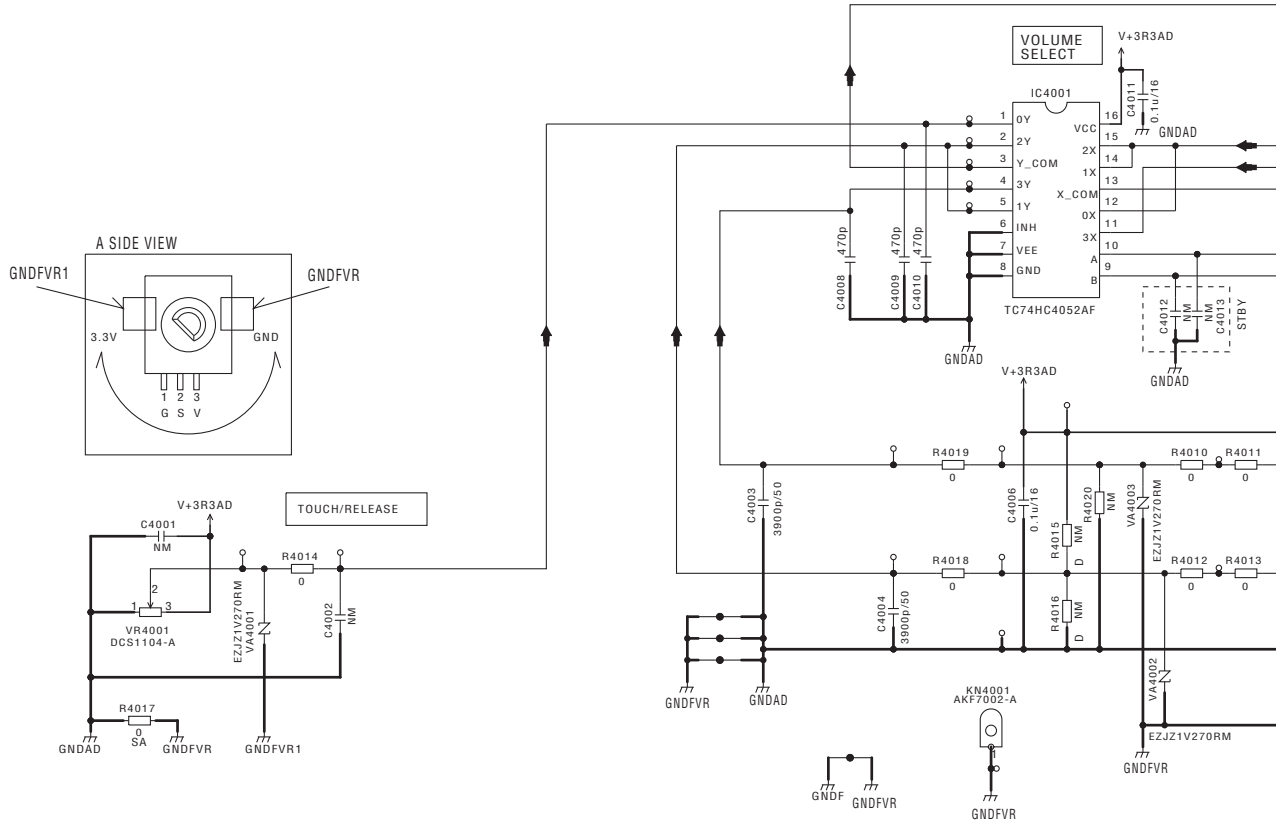
10.35 CDJB ASSY (1/3)





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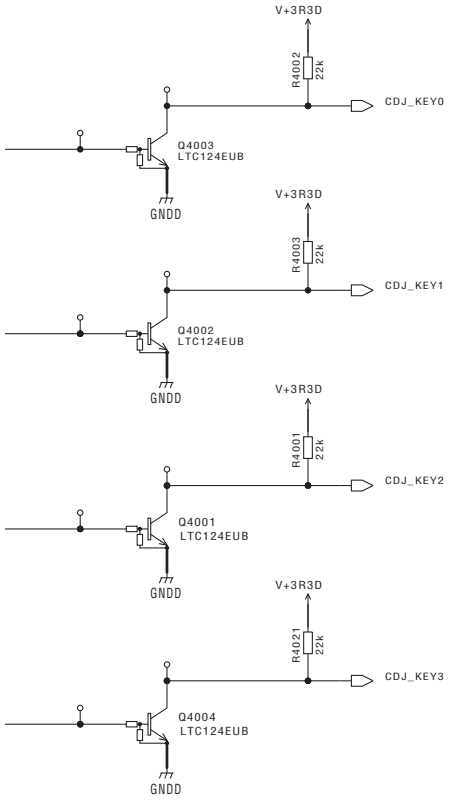
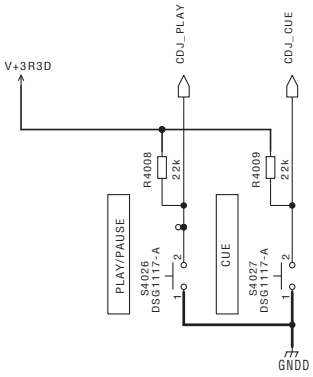
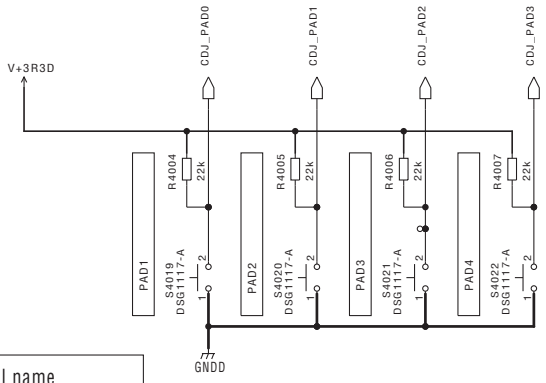
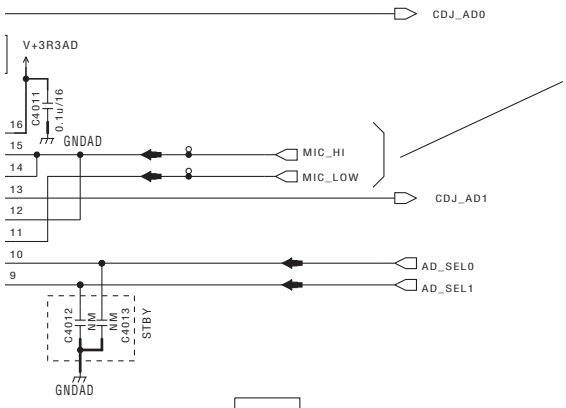
Q 1/3 CDJB ASSY (DWX3614)

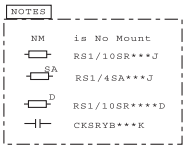






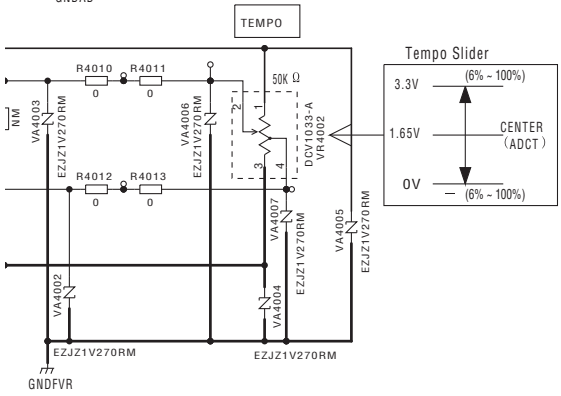


Signal name	
for PNL1	for PNL2
MIC_HI	MASTER
MIC_LOW	BOOTH



*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF, p : pF

*RESISTORS
Indicated in Ω, ±5% tolerance
unless otherwise noted. k : kΩ, M : MΩ.



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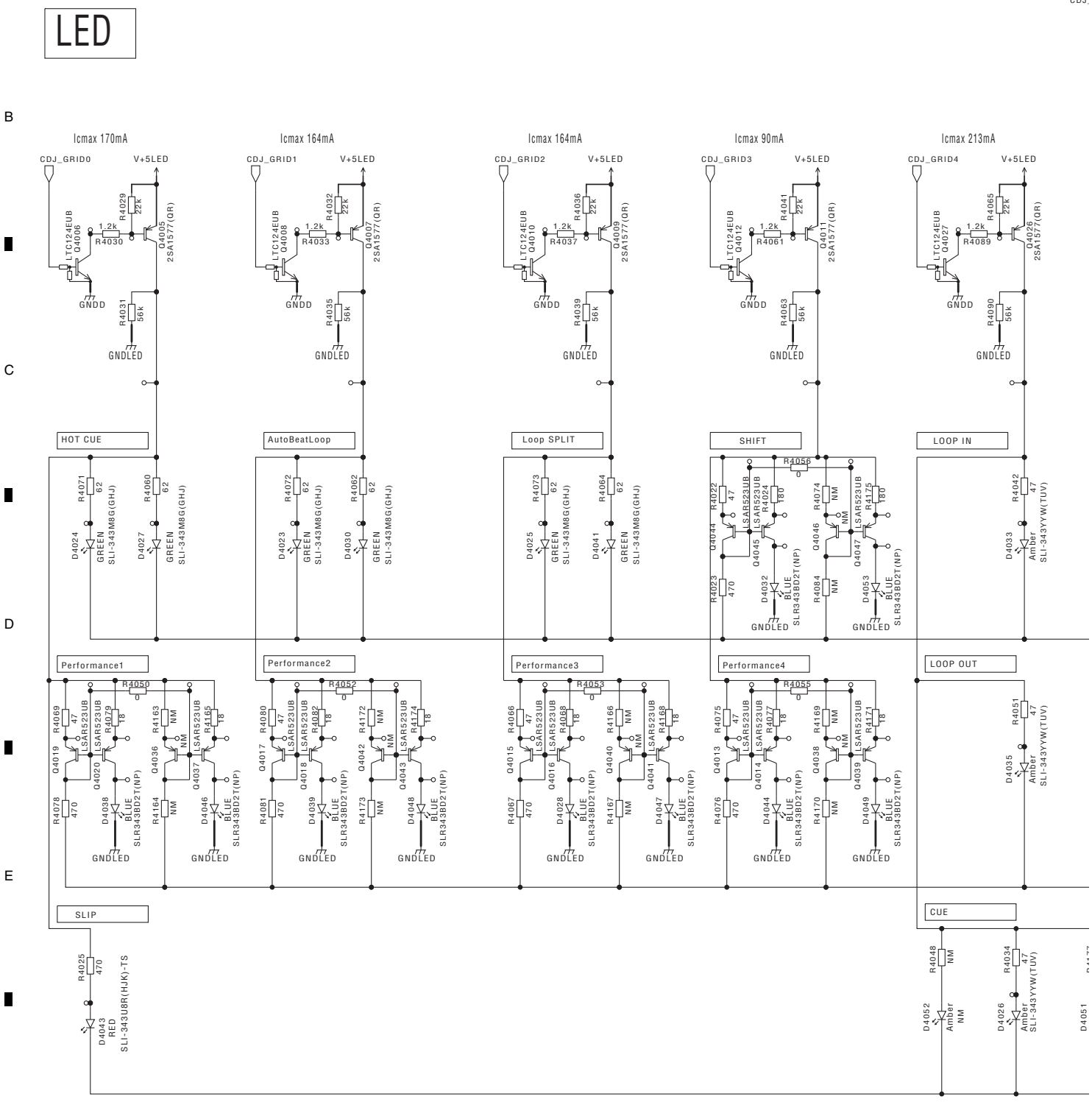
10.36 CDJB ASSY (2/3)



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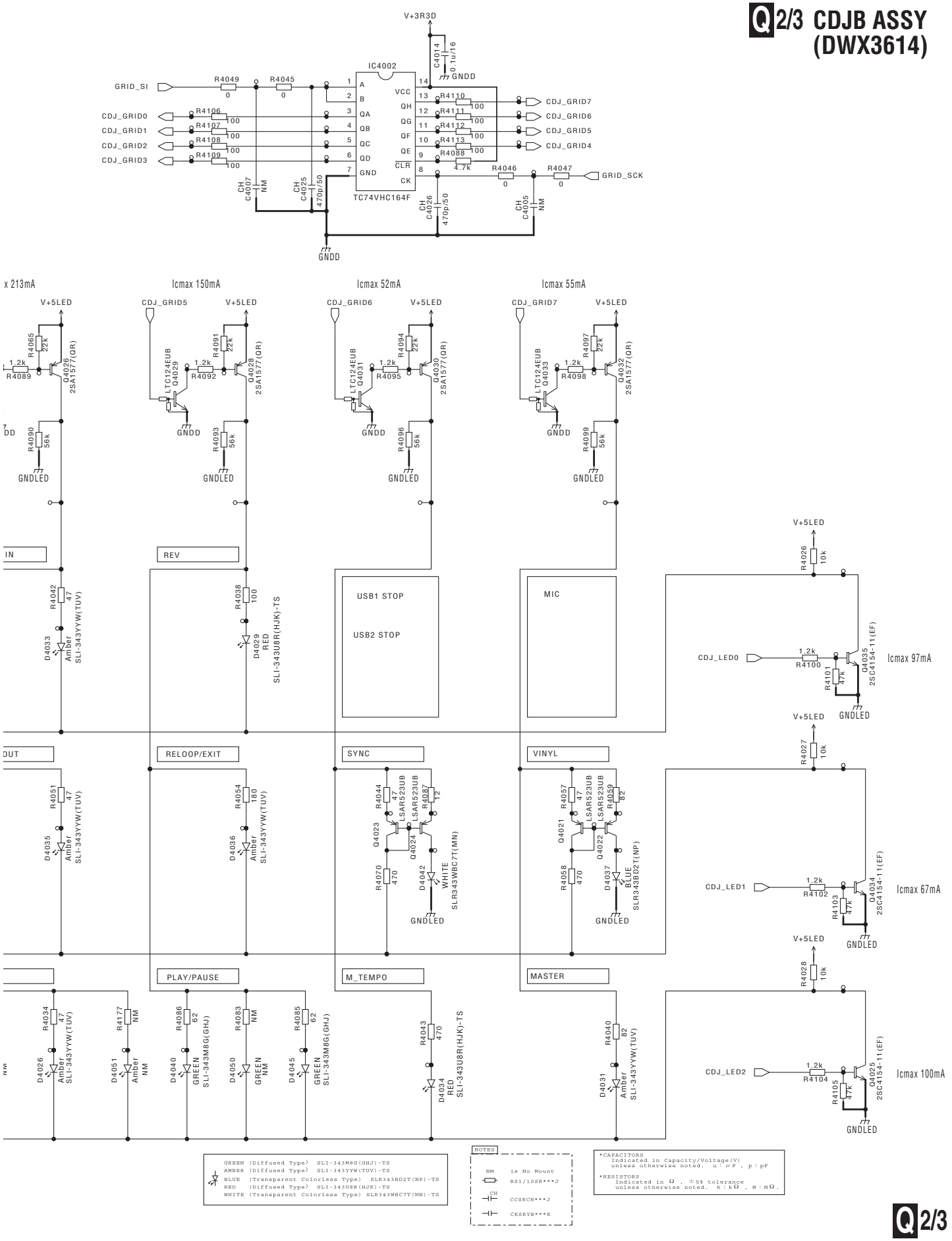

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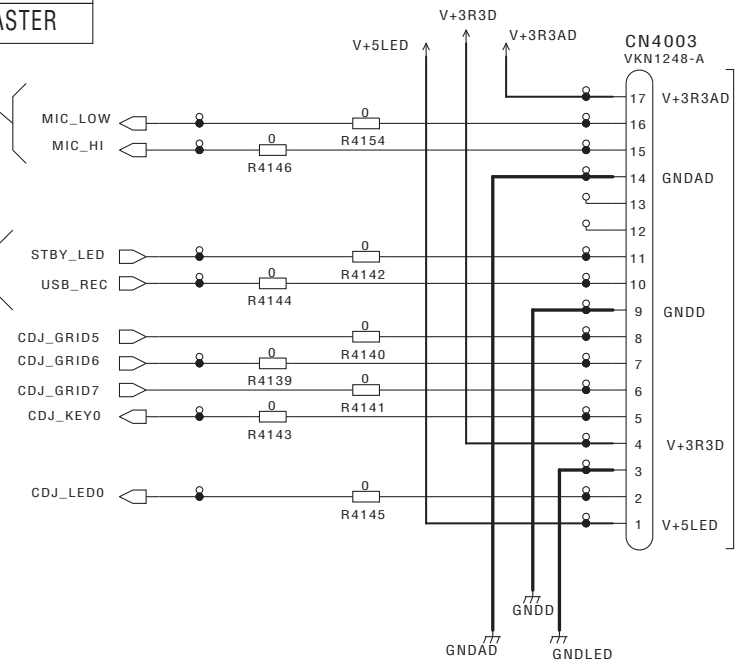
10.37 CDJB ASSY (3/3)

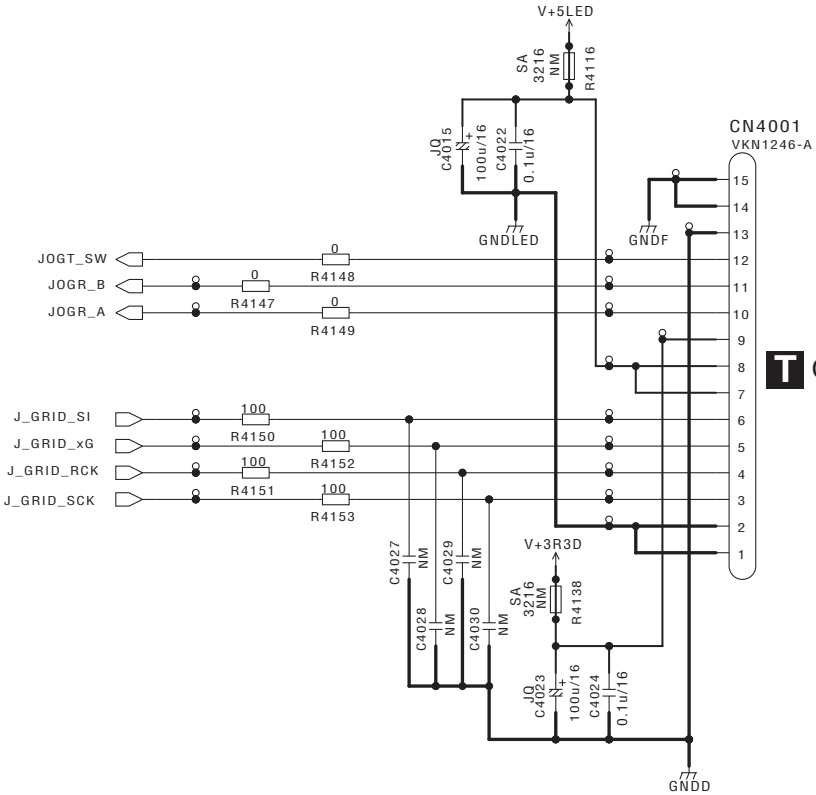
Signal name	
for PNL1	for PNL2
MIC_LOW	BOOTH
MIC_HI	MASTER

Signal name	
for PNL1	for PNL2
N.C.	STBY_LED
PWR_SW	USB_REC



R CN5501 (Left)
S CN5701 (Right)

Signal nar	
for PNL1	
N.C.	
PWR_SW	



T CN9601 / U CN9801

Q 3/3

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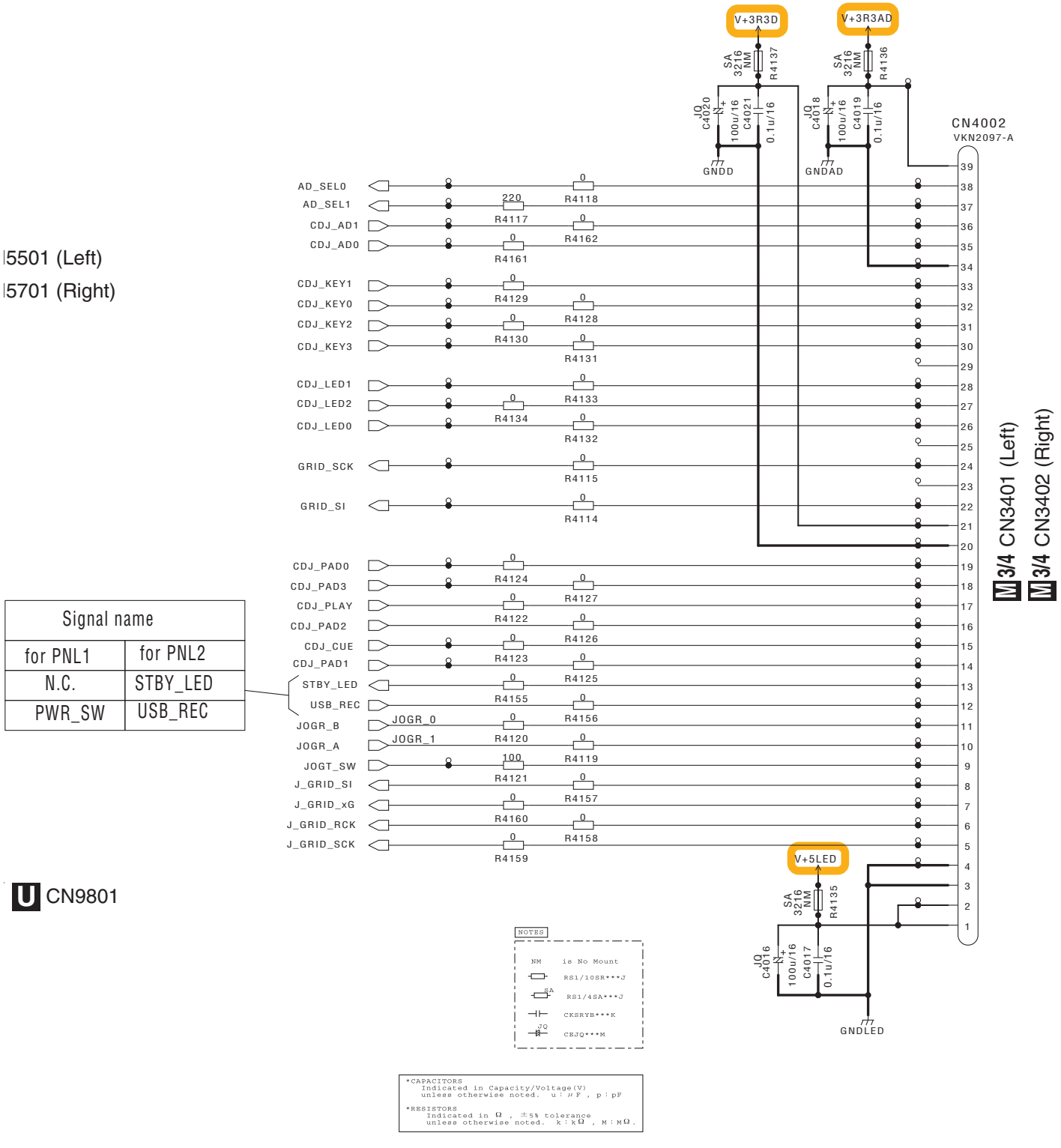
Q 3/3 CDJB ASSY (DWX3614)



Signal name	
for PNL1	for PNL2
N.C.	STBY_LED
PWR_SW	USB_REC

U CN9801

5501 (Left)

5701 (Right)

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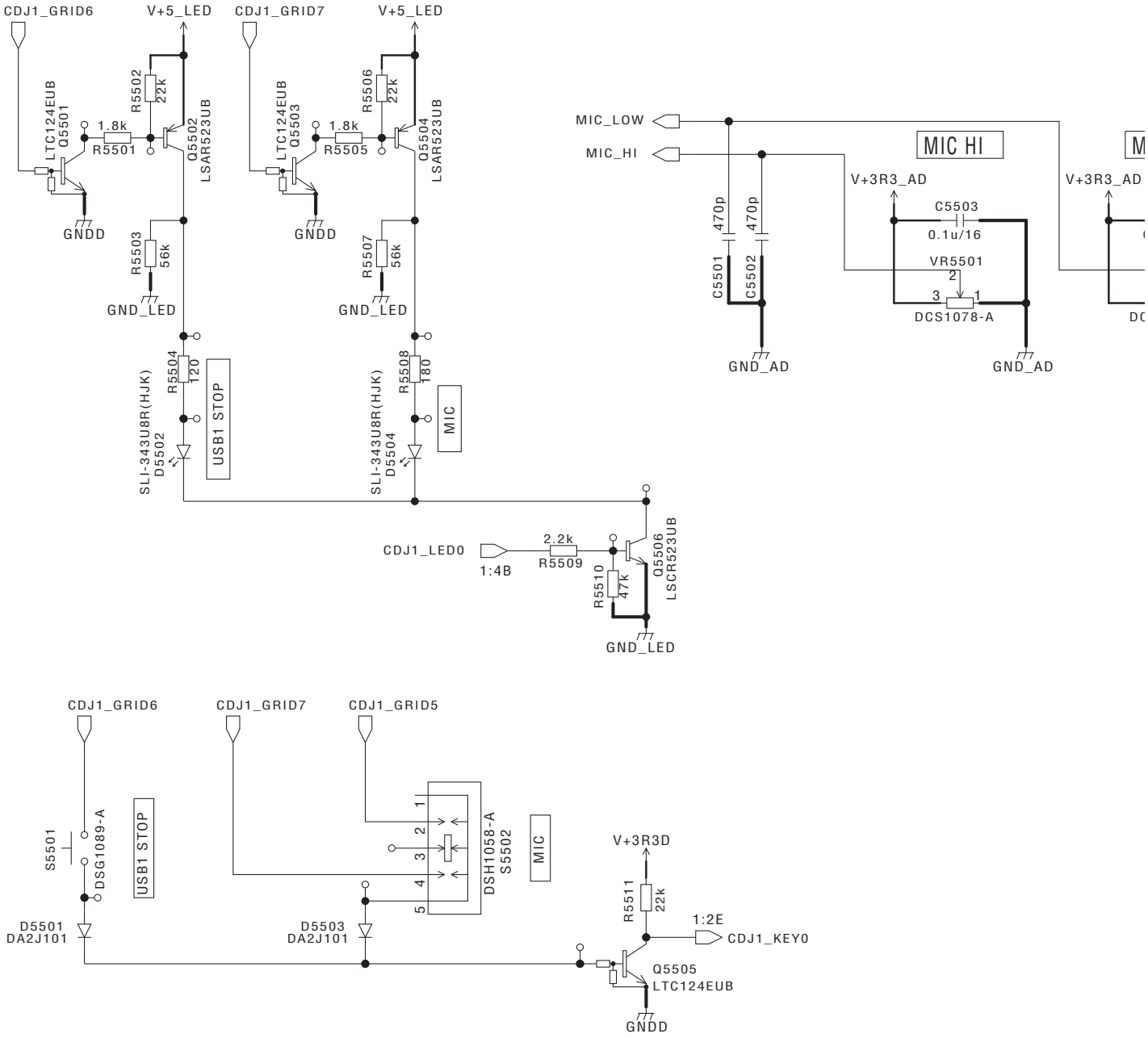
10.38 PNL1 ASSY



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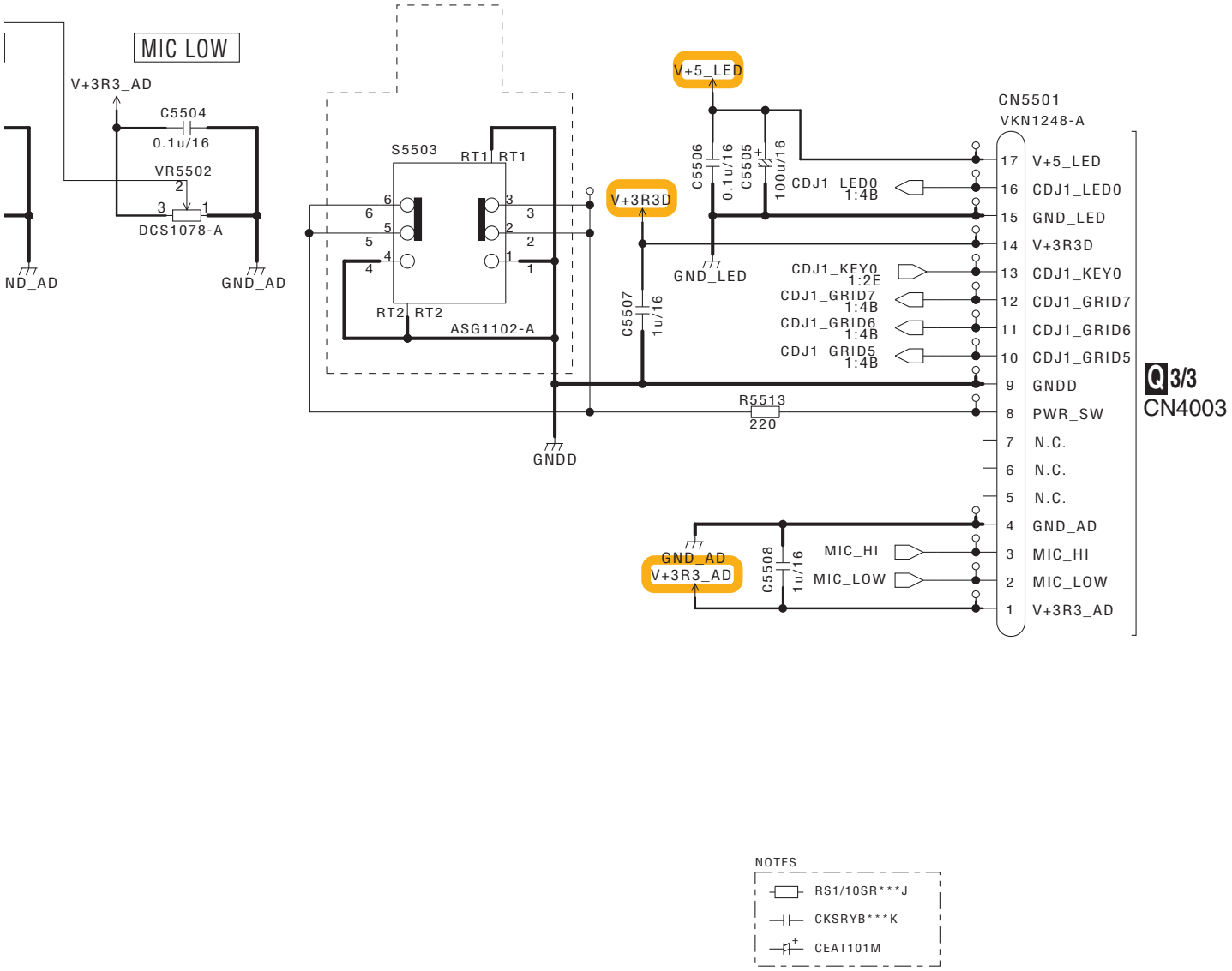

NOTES

- RS1/10SR***J
- CKSRYB***K
- CEAT101M

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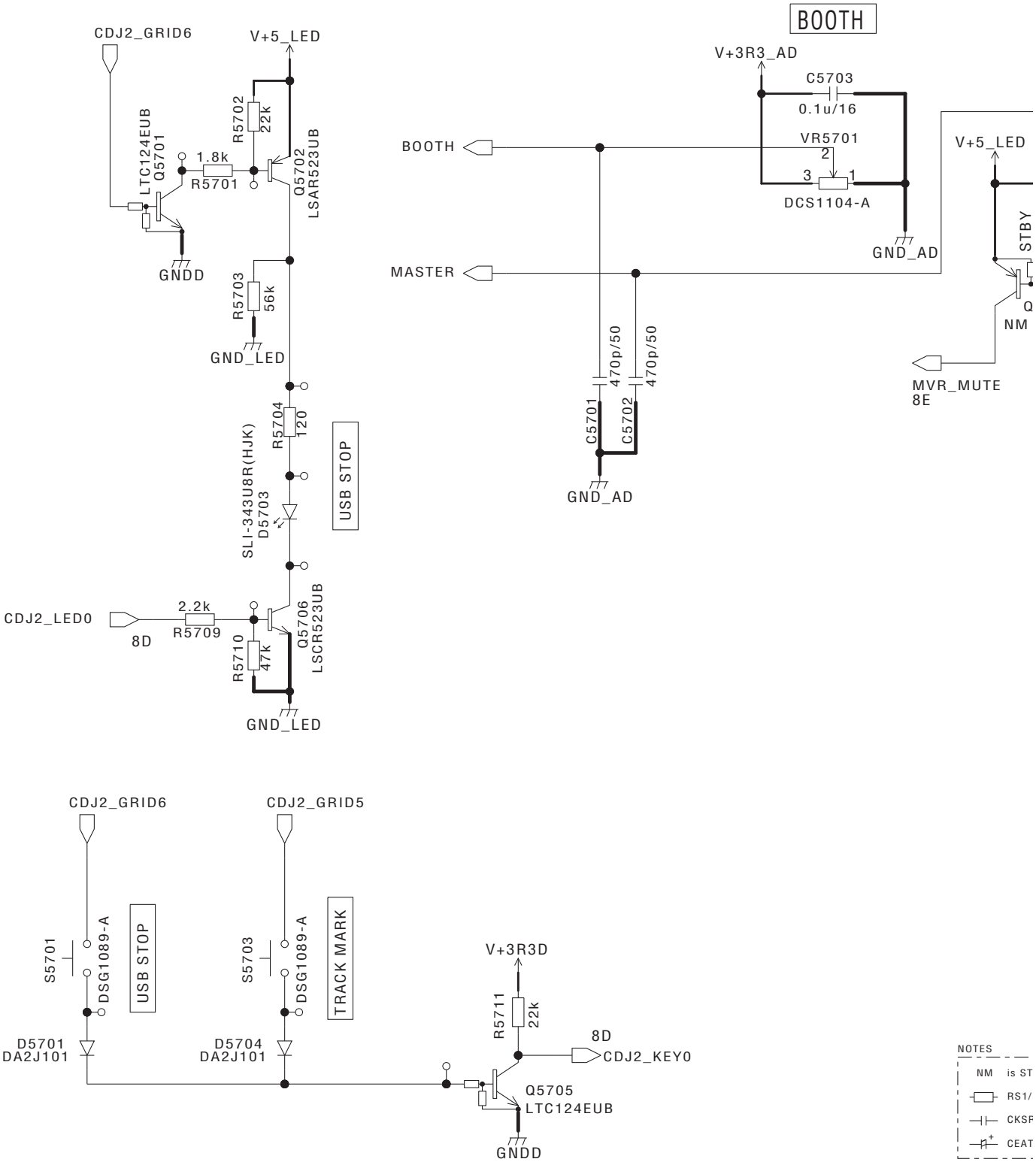
10.39 PNL2 ASSY



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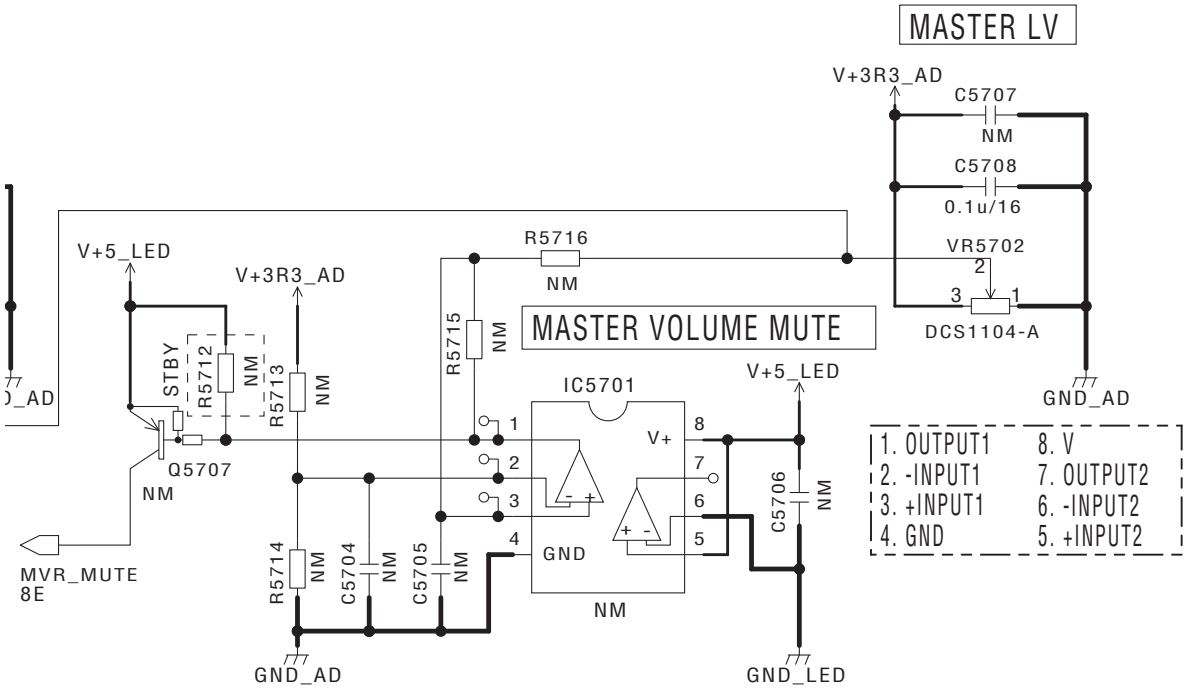
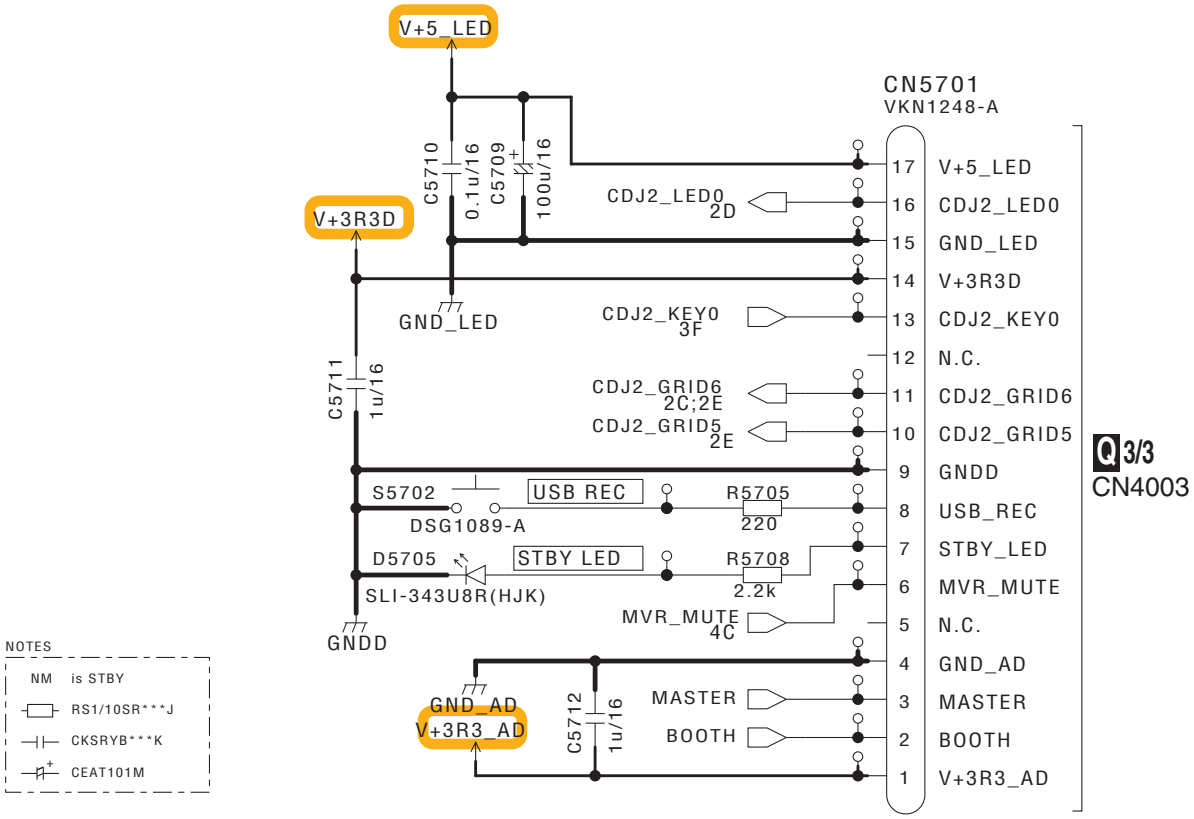
S PNL2 ASSY (DWX3629)





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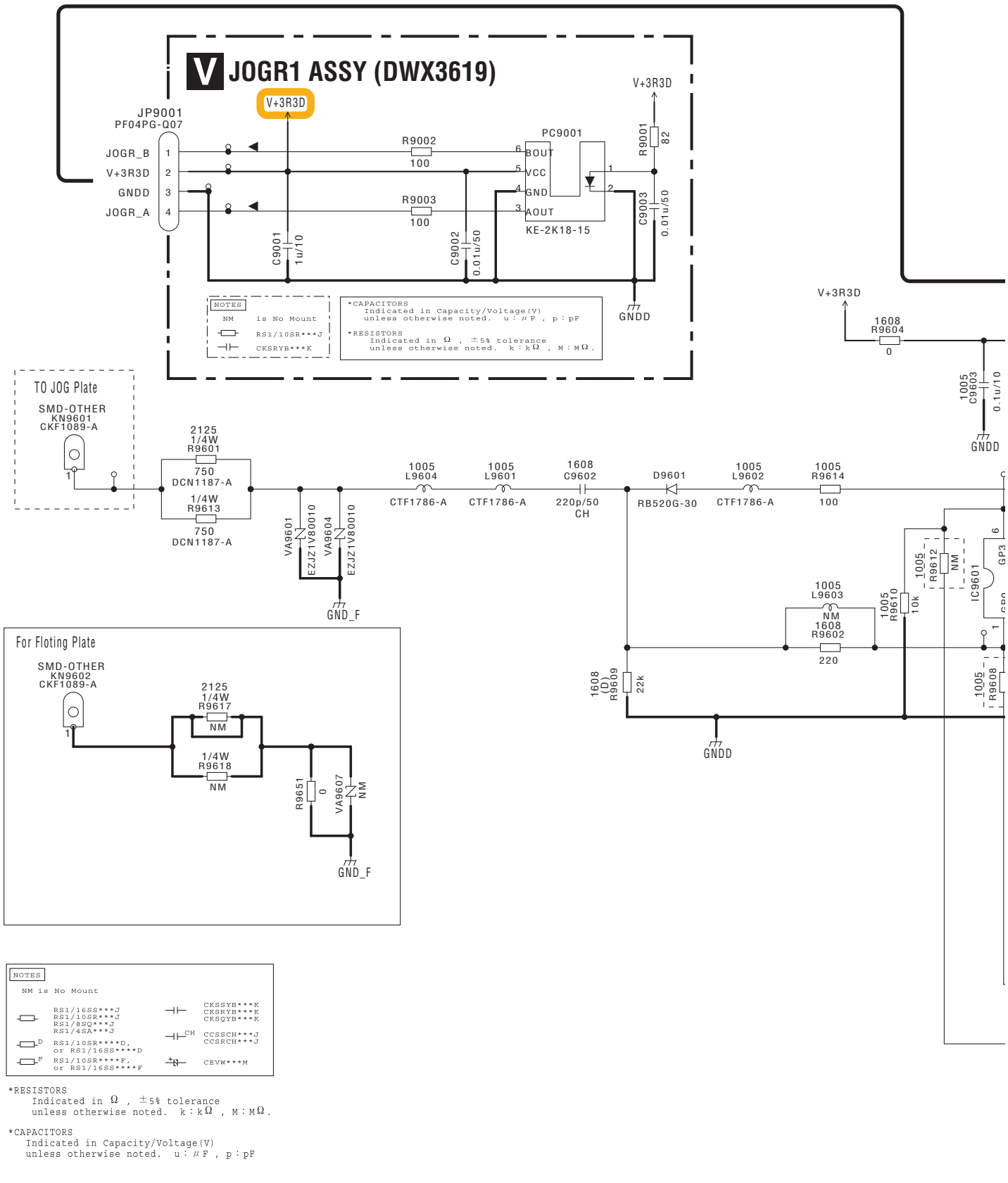
10.40 JOGT1 and JOGR1 ASSYS



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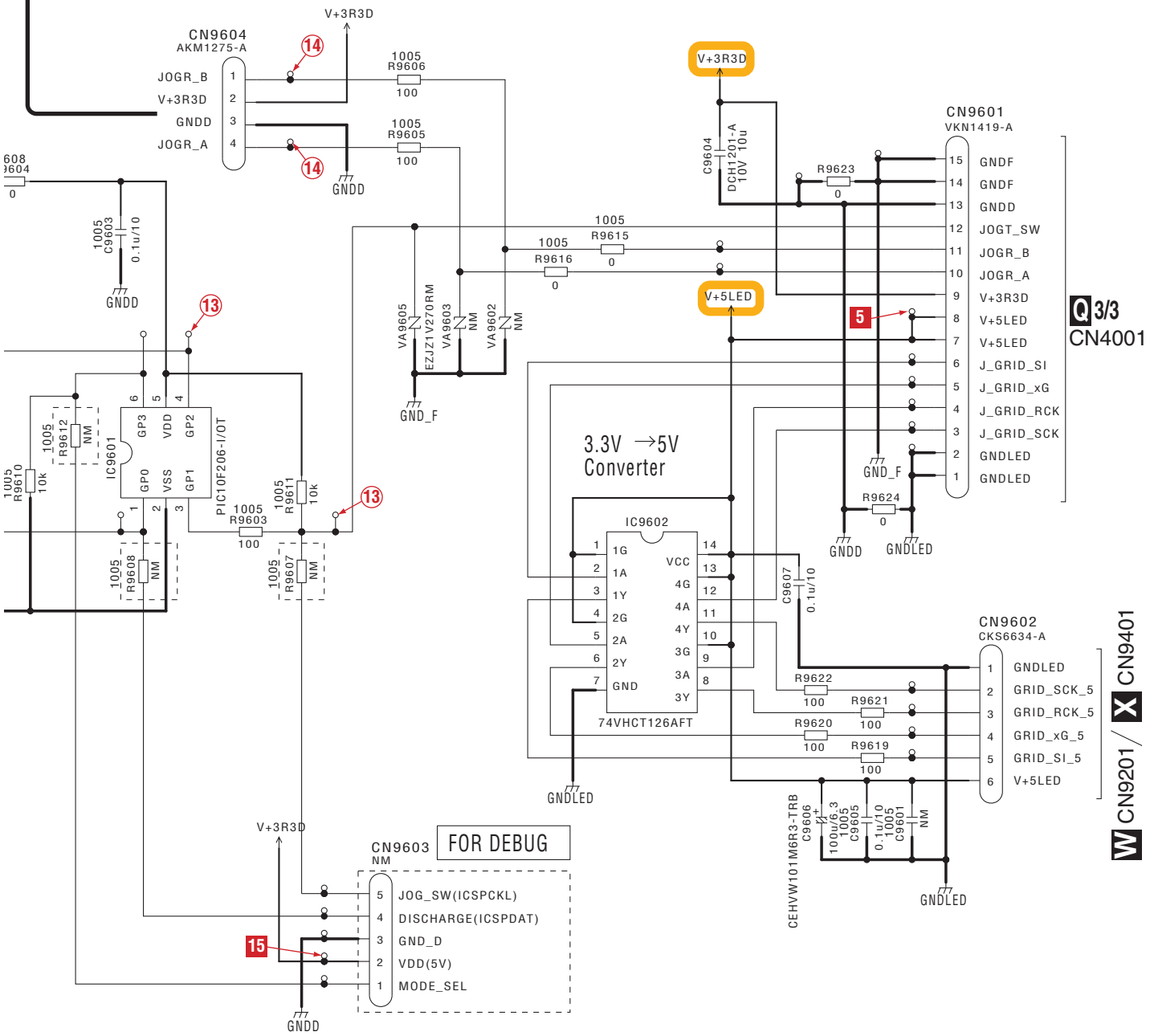
注意：
JOGT ASSY の 1 と 2 は回路そのもの、使用部品、基板形状は同じです。
部品番号と配線番号が違うため印刷内容が異なります。
生産上は 1 と 2 の ASSY を管理していません。
このためそれぞれの場所には 1 と 2 どちらかの ASSY が配置されています。

Note:
The 1 and 2 Assys of JOGT Assy have the same circuitry, parts, and board shapes.
Only printed information is different, because their part numbers and wiring numbers are different.
They are handled similarly in their production management.
Therefore, either 1 or 2 Assy of the respective Assys is assembled in the respective place.



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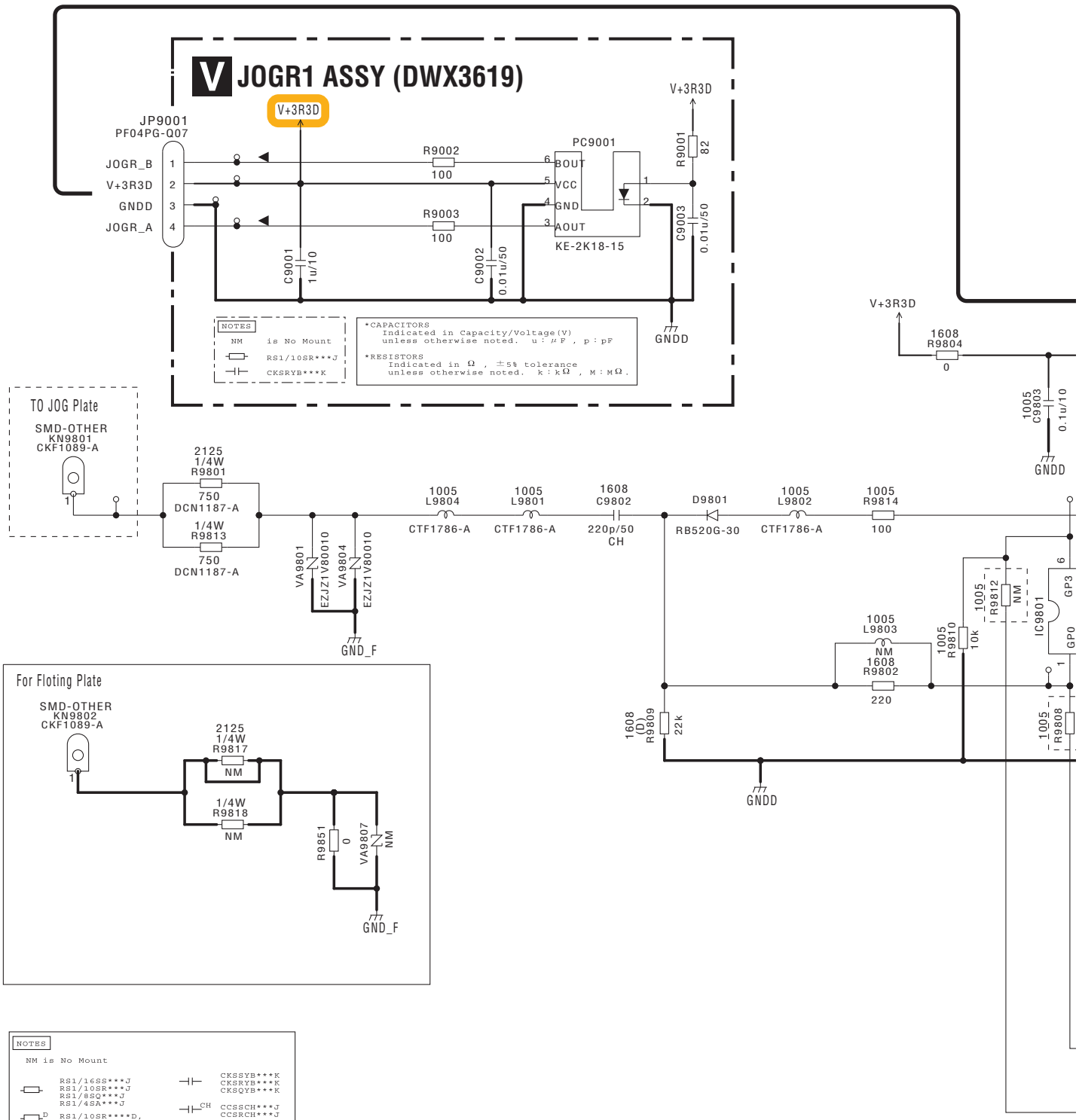
10.41 JOGT2 and JOGR1 ASSYS



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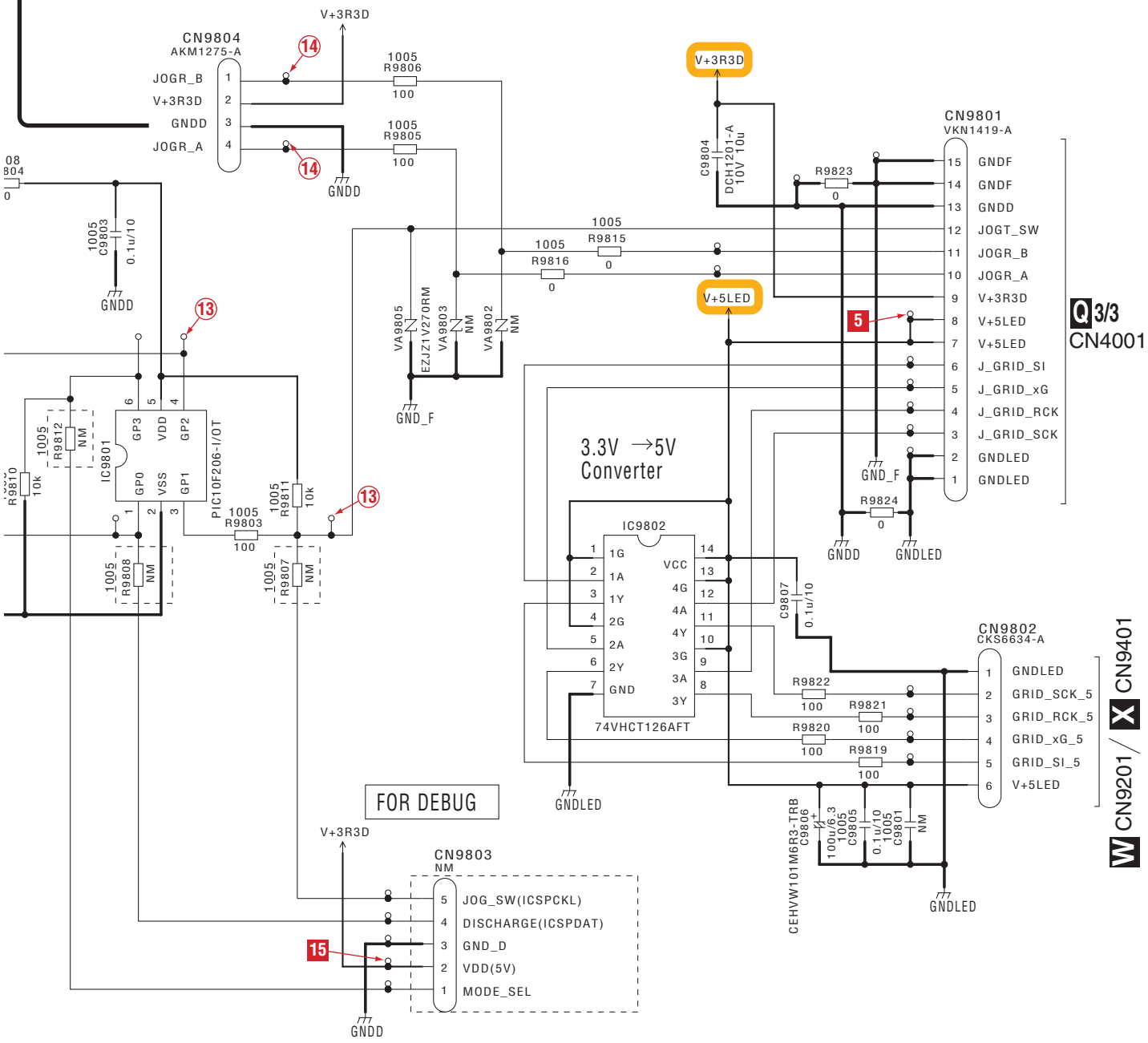
U JOGT2 ASSY (DWX3631)

注意：
JOGT ASSY の 1 と 2 は回路そのもの、使用部品、基板形状は同じです。
部品番号と配線番号が違うため印刷内容が異なります。
生産上は 1 と 2 の ASSY を管理していません。
このためそれぞれの場所には 1 と 2 どちらかの ASSY が配置されています。

Note:
The 1 and 2 Assys of JOGT Assy have the same circuitry, parts, and board shapes.
Only printed information is different, because their part numbers and wiring numbers are different.
They are handled similarly in their production management.
Therefore, either 1 or 2 Assy of the respective Assys is assembled in the respective place.



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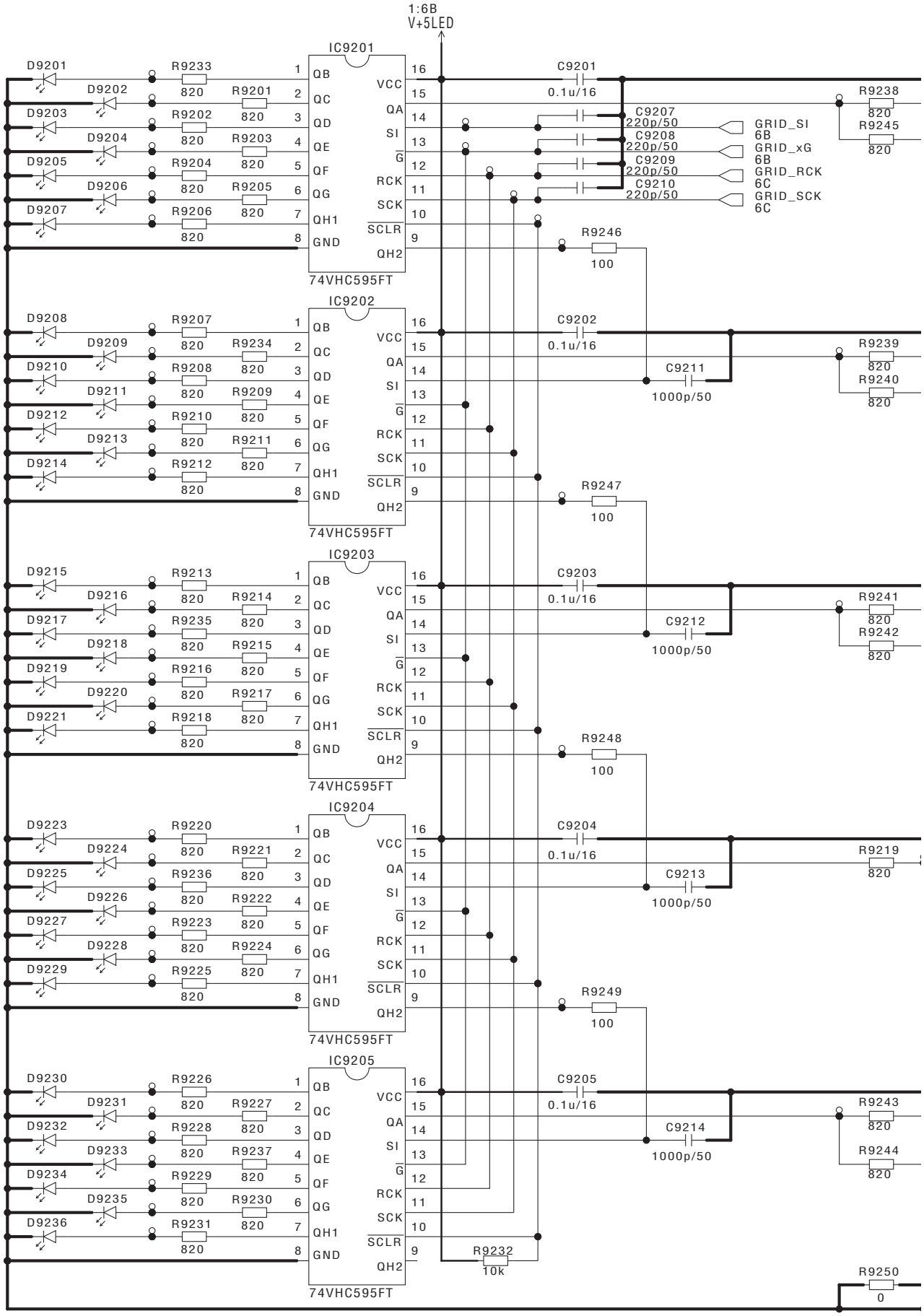
10.42 JLED1 ASSY



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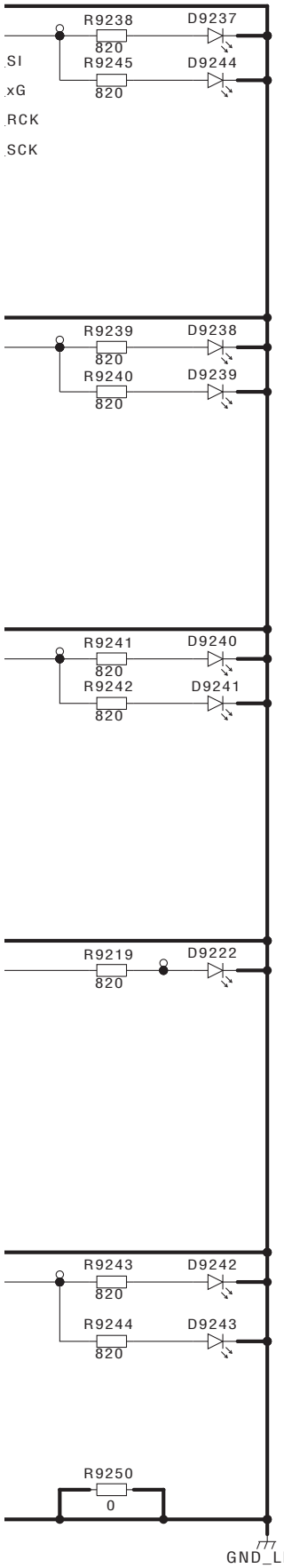
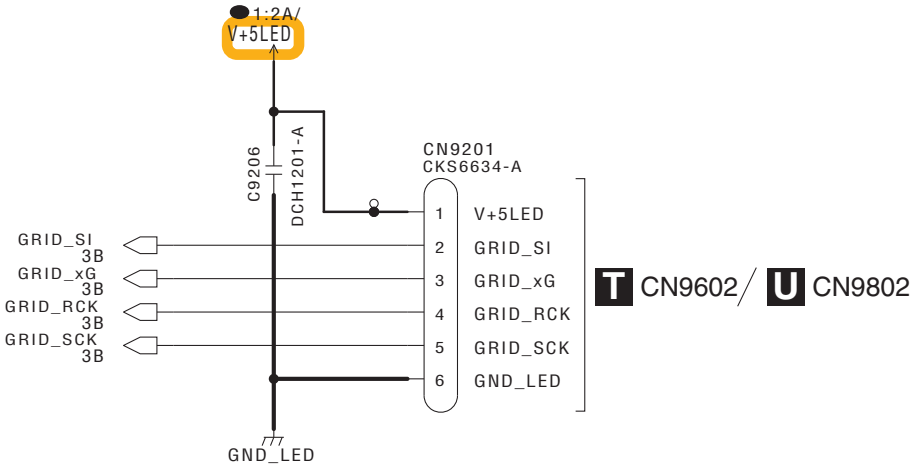
注意：
JLED ASSY の１と２は回路そのもの、使用部品、基板形状は同じです。
部品番号と配線番号が違うため印刷内容が異なります。
生産上は１と２の ASSY を管理していません。
このためそれぞれの場所には１と２どちらかの ASSY が配置されています。

Note:
The 1 and 2 Assys of JLED Assy have the same circuitry, parts, and board shapes.
Only printed information is different, because their part numbers and wiring numbers are different.
They are handled similarly in their production management.
Therefore, either 1 or 2 Assy of the respective Assys is assembled in the respective place.

W JLED1 ASSY (DWX3617)





T CN9602 / U CN9802

D9237,D9244,
D9238,D9239,
D9240,D9241,
D9242,D9243

BLUE:
FM-3528BK-470M-TRB

OTHER:WHITE
NHSW157B-A13072-TRB

NOTES
NM is No Mount

RS1/16S***J
RS1/10S***J
RS1/8SQ***J
RS1/4SA***J
RS1/10SR****D, or RS1/16SS****D
RS1/10SR****F, or RS1/16SS****F

CKSSYB***K
CKSRYB***K
CKSQYB***K
CCSSCH***J
CCSRCH***J
CEVM***M

*RESISTORS
Indicated in Ω, ±5% tolerance
unless otherwise noted. k:kΩ, M:MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u:μF, p:pF

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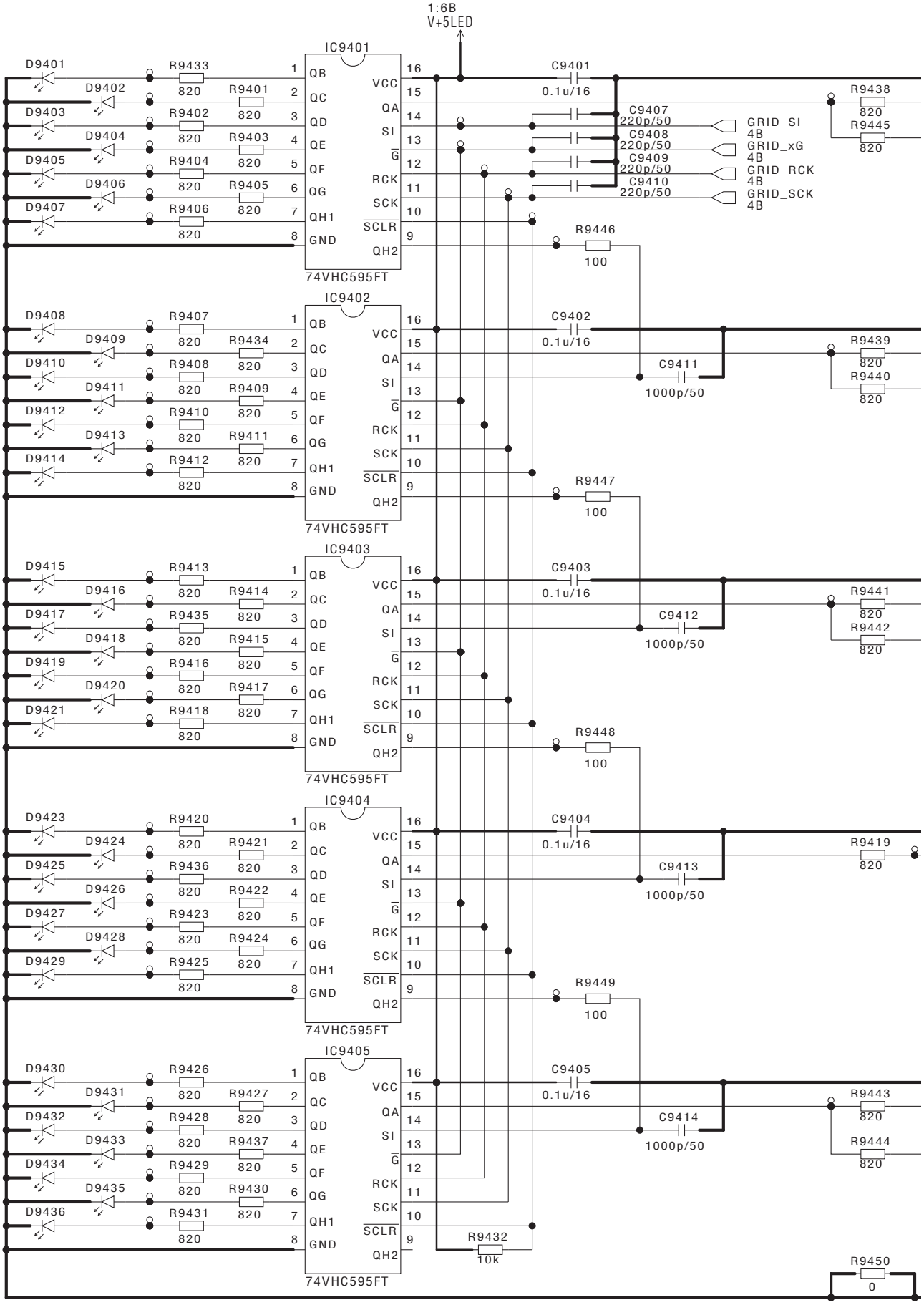
10.43 JLED2 ASSY



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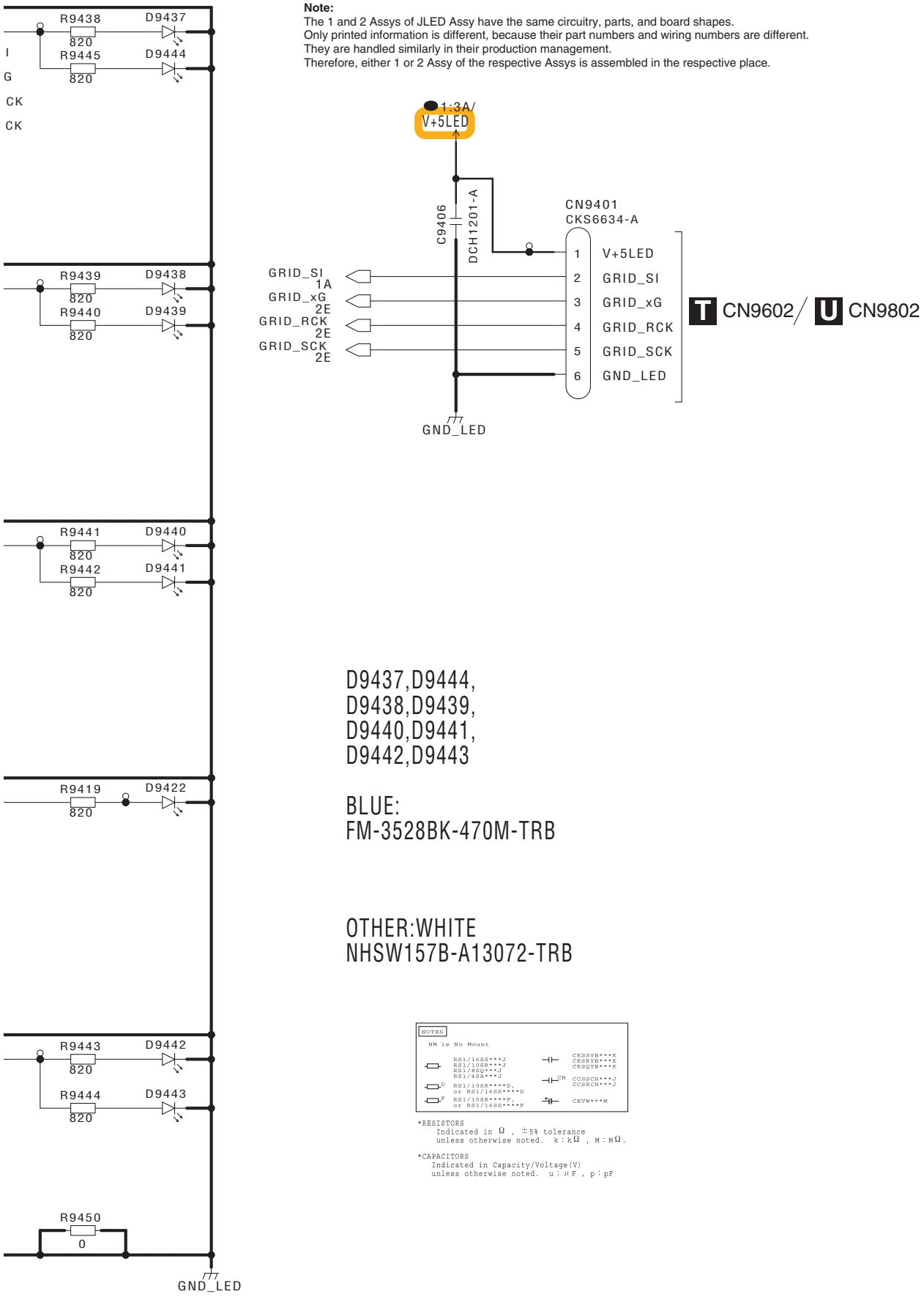
X JLED2 ASSY (DWX3630)

注意：
JLED ASSY の 1 と 2 は回路そのもの、使用部品、基板形状は同じです。
部品番号と配線番号が違うため印刷内容が異なります。
生産上は 1 と 2 の ASSY を管理していません。
このためそれぞれの場所には 1 と 2 どちらかの ASSY が配置されています。

Note:
The 1 and 2 Assys of JLED Assy have the same circuitry, parts, and board shapes.
Only printed information is different, because their part numbers and wiring numbers are different.
They are handled similarly in their production management.
Therefore, either 1 or 2 Assy of the respective Assys is assembled in the respective place.



D9437,D9444,
D9438,D9439,
D9440,D9441,
D9442,D9443

BLUE:
FM-3528BK-470M-TRB

OTHER:WHITE
NHSW157B-A13072-TRB

*RESISTORS
Indicated in Ω, ±5% tolerance
unless otherwise noted. k : kΩ, M : MΩ.

*CAPACITORS
Indicated in Capacity/Voltage(V)
unless otherwise noted. u : μF, p : pF

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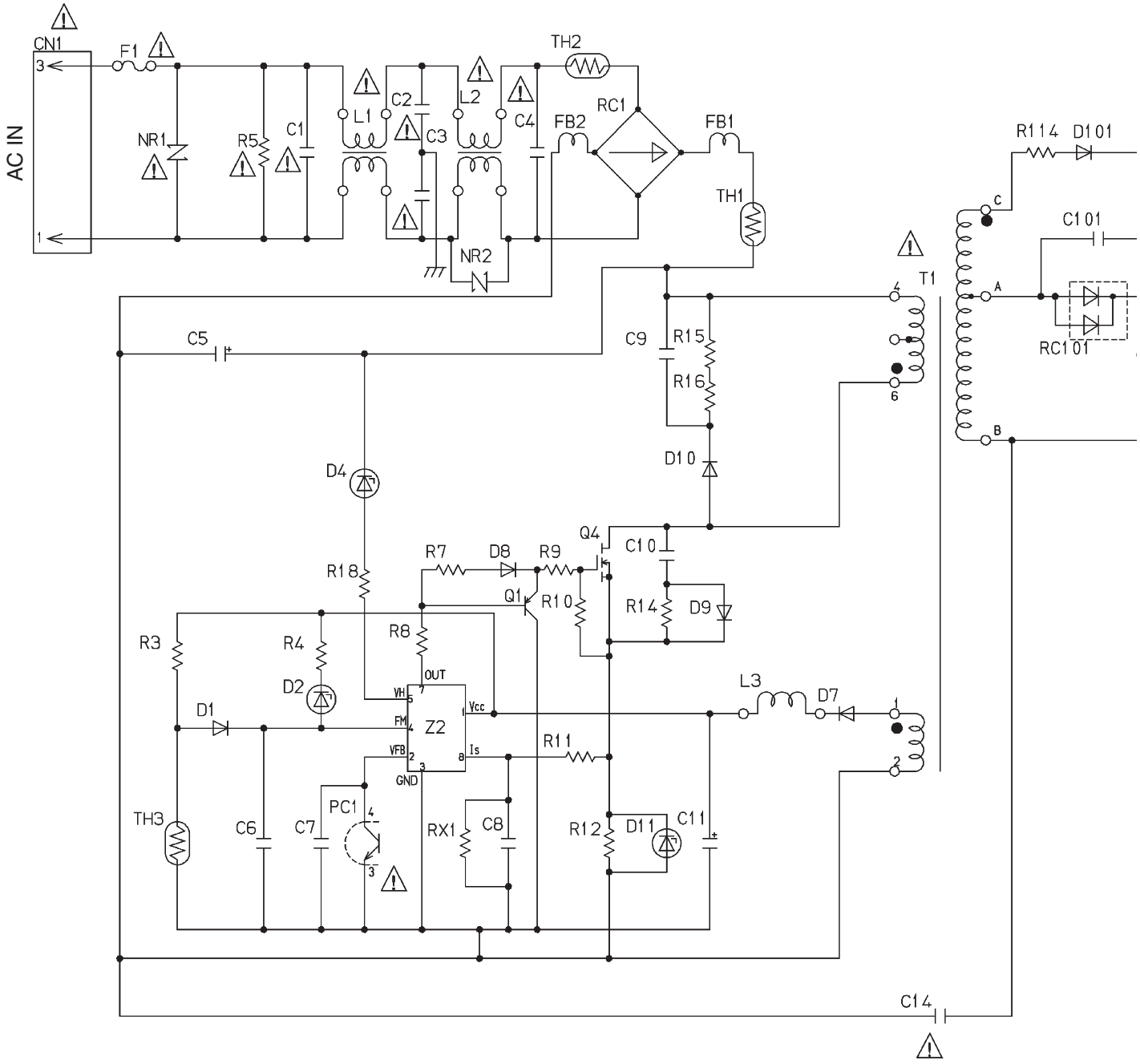
10.44 POWER SUPPLY ASSY

• NOTE FOR FUSE REPLACEMENT

CAUTION - FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE WITH SAME TYPE AND RATINGS OF FUSE.



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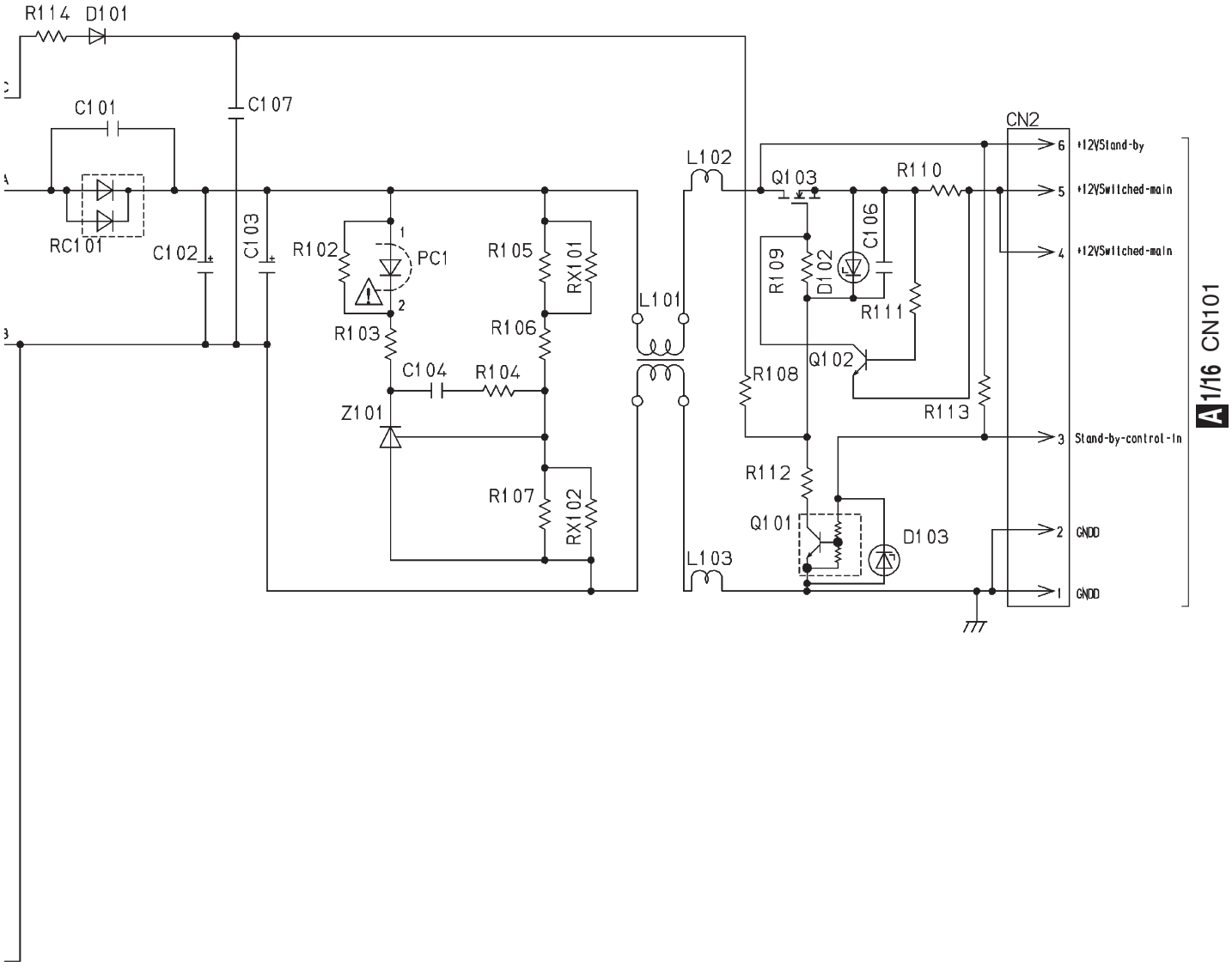
Y POWER SUPPLY ASSY (DWR1463)



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10.45 VOLTAGES

Name of voltage	Min	Typ.	Max	Associated Assy	Observation point	Remarks
V+12STB /V+12EUP /V+12E	11.40 V	12.00 V	12.60 V	MAIN Assy, MIXB Assy	1	±5%
V+12SW /V+12D	11.40 V	12.00 V	12.60 V	MAIN Assy, USBP1/USBP2 Assy	2	±5%
V+12SWA /V+12A	11.40 V	12.00 V	12.60 V	MAIN Assy	3	±5%
V+4R2D	3.99 V	4.20 V	4.41 V	MAIN Assy	4	±5%
V+5R2D /V+5LED /V+5_LED	4.94 V	5.20 V	5.46 V	MAIN Assy, EXTB Assy, DPNL1 Assy, CDJB Assy, MIXB Assy, PNL1 Assy, PNL2 Assy, JOGT1/JOGT2 Assy, JLED1/JLED2 Assy, LLED Assy	5	±5%
V+15A	14.25 V	15.00 V	15.75 V	MAIN Assy, JACK1 Assy, JACK2 Assy	6	±5%
V-15A	-14.25 V	-15.00 V	-15.75 V	MAIN Assy, JACK1 Assy, JACK2 Assy	7	±5%
V+7R5HP	7.13 V	7.50 V	7.88 V	MAIN Assy	8	±5%
V-7R5HP	-7.13 V	-7.50 V	-7.88 V	MAIN Assy	9	±5%
V+5A	4.95 V	5.00 V	5.05 V	MAIN Assy	10	±1%
V+1R375SOC	1.334 V	1.375 V	1.416 V	MAIN Assy	11	Just after startup, ±3%
	1.261 V	1.300 V	1.339 V	MAIN Assy		Normal operation, ±3%
V+1R375CORE	1.334 V	1.375 V	1.416 V	MAIN Assy	12	Just after startup, ±3%
	1.261 V	1.300 V	1.339 V	MAIN Assy		Normal operation, ±3%
V+3R0VSNVS	2.85 V	3.00 V	3.15 V	MAIN Assy	13	±5%
V+2R8VHIGH	2.716 V	2.80 V	2.884 V	MAIN Assy	14	Just after startup, ±3%
	2.910 V	3.00 V	3.090 V	MAIN Assy		Normal operation, ±3%
V+3R3D	3.201 V	3.30 V	3.399 V	MAIN Assy, CDJB Assy, MIXB Assy, PNL1 Assy, PNL2 Assy, JOGT1/JOGT2 Assy, JOGR1/JOGR2 Assy, LLED Assy	15	±3%
V+3R3A	3.201 V	3.30 V	3.399 V	MAIN Assy	16	±3%
V+1R5DDR	1.455 V	1.50 V	1.545 V	MAIN Assy	17	±3%
V+5VBUS_A1 /V+5VBUS_A2	4.88 V	5.14 V	5.40 V	USBP1/USBP2 Assy	18	±5%
V+18	17.10 V	18.00 V	18.90 V	EXTB Assy	19	±5%
V-6	-5.70 V	-6.00 V	-6.30 V	EXTB Assy	20	±5%
V+9R6	9.12 V	9.60 V	10.08 V	EXTB Assy	21	±5%
LCD Backlight	9.55 V	10.60 V	11.75 V	EXTB Assy	22	
V+3R3EUP /V+3R3E	3.14 V	3.30 V	3.47 V	MAIN Assy, MIXB Assy	23	±5%
V+3R3AD /V+3R3_AD	3.14 V	3.30 V	3.47 V	CDJB Assy, MIXB Assy, PNL1 Assy, PNL2 Assy, CHFB Assy, CRFD Assy	24	±5%

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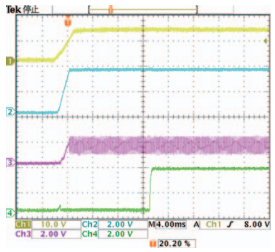
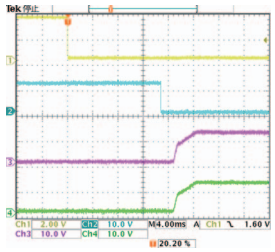
10.46 WAVEFORMS

NOTE: The following waveforms were measured at the point of the corresponding balloon number in the schematic diagram and PCB diagram.

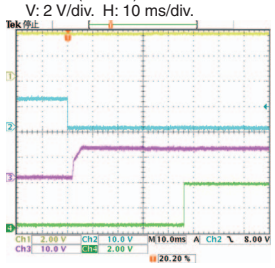
(1) Power cord connection → EUP start up
Ch1: **IC3603 - pin 6** (V+12E)
V: 10 V/div. H: 4 ms/div.
Ch2: **IC3602 - pin 2** (V+3R3E)
V: 2 V/div. H: 4 ms/div.
Ch3: **IC3601 - pin 15** (EUP X'tal)
V: 2 V/div. H: 4 ms/div.
Ch4: **IC3602 - pin 1** (EUP xRST)
V: 2 V/div. H: 4 ms/div.



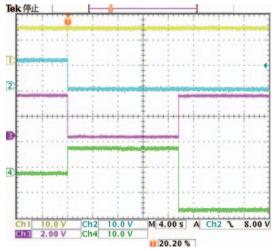
(2) Power SW ON
Ch1: **PWR_SW**
V: 2 V/div. H: 4 ms/div.
Ch2: **TP137** (xEUPSW)
V: 10 V/div. H: 4 ms/div.
Ch3: **TP103** (V+12D)
V: 10 V/div. H: 4 ms/div.
Ch4: **TP106** (V+12A)
V: 10 V/div. H: 4 ms/div.



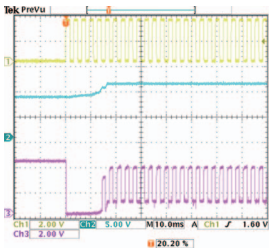
(3) Abnormal power detection operation start up
Ch1: **TP2404** (V+3R3EUP)
V: 2 V/div. H: 10 ms/div.
Ch2: **TP137** (xEUPSW)
V: 10 V/div. H: 10 ms/div.
Ch3: **TP103** (V+12D)
V: 10 V/div. H: 10 ms/div.
Ch4: **TP311** (F_DET)
V: 2 V/div. H: 10 ms/div.



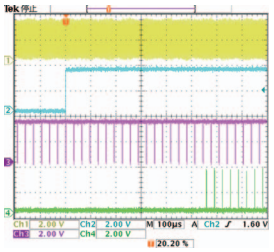
(4) Audio mute operation
Ch1: **V+12EUP**
V: 10 V/div. H: 4 s/div.
Ch2: **xEUPSW**
V: 10 V/div. H: 4 s/div.
Ch3: **AUDIO_MUTE** (CPU_MUTE)
V: 2 V/div. H: 4 s/div.
Ch4: **A_MUTE** (MUTE)
V: 10 V/div. H: 4 s/div.



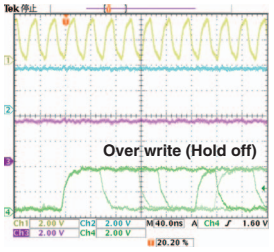
(5) LCD backlight (start state/DIMMER mode "3")
Ch1: **LCD_PWM**
V: 2 V/div. H: 10 ms/div.
Ch2: **CN8701 - pin 1**
V: 5 V/div. H: 10 ms/div.
Ch3: **CN8701 - pin 2**
V: 2 V/div. H: 10 ms/div.



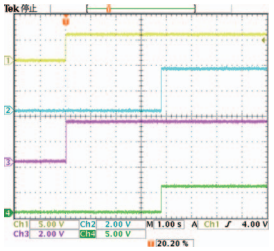
(6) LCD RGB operation (CLK/HD/VD)
Ch1: **R8843** (LCD_CLK)
V: 2 V/div. H: 10 ms/div.
Ch2: **CN8801 - pin 30** (VSD)
V: 2 V/div. H: 10 ms/div.
Ch3: **CN8801 - pin 31** (HSD)
V: 2 V/div. H: 10 ms/div.
Ch4: **CN8801 - pin 34** (B7)
V: 2 V/div. H: 10 ms/div.



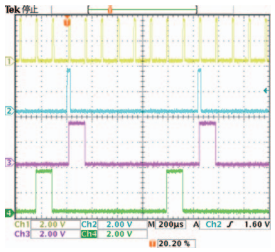
Ch1: **R8843** (LCD_CLK)
V: 2 V/div. H: 40 ns/div.
Ch2: **CN8801 - pin 30** (VSD)
V: 2 V/div. H: 40 ns/div.
Ch3: **CN8801 - pin 31** (HSD)
V: 2 V/div. H: 40 ns/div.
Ch4: **CN8801 - pin 34** (B7)
V: 2 V/div. H: 40 ns/div.



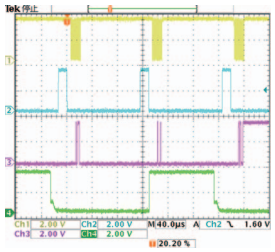
(7) USB high side SW operation
Ch1: **V+5R14A1/V+5R14A2**
V: 5 V/div. H: 1 s/div.
Ch2: **USBEN_A1/USBEN_A2**
V: 2 V/div. H: 1 s/div.
Ch3: **USBOCS_A1/USBOCS_A2**
V: 2 V/div. H: 1 s/div.
Ch4: **V+5VBUS_A1/V+5VBUS_A2**
V: 5 V/div. H: 1 s/div.



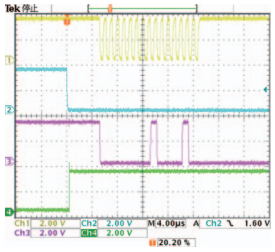
(8) Grid control
Ch1: **IC3001 - pin 8** (GRID_SCK)
V: 2 V/div. H: 200 µs/div.
Ch2: **IC3001 - pin 1** (GRID_SI)
V: 2 V/div. H: 200 µs/div.
Ch3: **IC3001 - pin 3** (MXR_GRID0)
V: 2 V/div. H: 200 µs/div.
Ch4: **IC3001 - pin 12** (MXR_GRID6)
V: 2 V/div. H: 200 µs/div.



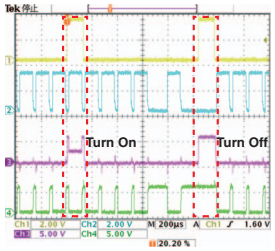
(9) LED control 1
Ch1: **IC3002 - pin 11** (LED_SCK)
V: 2 V/div. H: 40 µs/div.
Ch2: **IC3002 - pin 12** (LED_RCK)
V: 2 V/div. H: 40 µs/div.
Ch3: **IC3002 - pin 14** (LED_SI)
V: 2 V/div. H: 40 µs/div.
Ch4: **IC3002 - pin 3** (MXR_LED9)
V: 2 V/div. H: 40 µs/div.



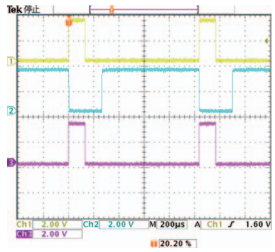
Ch1: **IC3002 - pin 11** (LED_SCK)
V: 2 V/div. H: 4 µs/div.
Ch2: **IC3002 - pin 12** (LED_RCK)
V: 2 V/div. H: 4 µs/div.
Ch3: **IC3002 - pin 14** (LED_SI)
V: 2 V/div. H: 4 µs/div.
Ch4: **IC3002 - pin 3** (MXR_LED9)
V: 2 V/div. H: 4 µs/div.



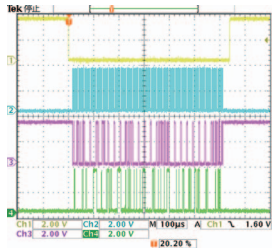
(10) LED control 2 (MENU (at dark lit))
Ch1: **MXR_GRID4**
V: 2 V/div. H: 200 µs/div.
Ch2: **MXR_LED9**
V: 2 V/div. H: 200 µs/div.
Ch3: **LED Anode**
V: 5 V/div. H: 200 µs/div.
Ch4: **LED cathode**
V: 5 V/div. H: 200 µs/div.



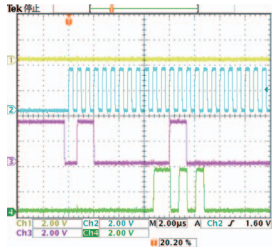
(11) Matrix key (at MENU button pressed)
Ch1: **MXR_GRID4**
V: 2 V/div. H: 200 µs/div.
Ch2: **MXR_KEY2**
V: 2 V/div. H: 200 µs/div.
Ch3: **S3022** (KEY)
V: 2 V/div. H: 200 µs/div.



(12) Microcomputers communication
Ch1: **EUP_SS2**
V: 2 V/div. H: 100 µs/div.
Ch2: **EUP_SCLK**
V: 2 V/div. H: 100 µs/div.
Ch3: **EUP_MOSI**
V: 2 V/div. H: 100 µs/div.
Ch4: **EUP_MISO**
V: 2 V/div. H: 100 µs/div.



Ch1: **EUP_SS2**
V: 2 V/div. H: 2 µs/div.
Ch2: **EUP_SCLK**
V: 2 V/div. H: 2 µs/div.
Ch3: **EUP_MOSI**
V: 2 V/div. H: 2 µs/div.
Ch4: **EUP_MISO**
V: 2 V/div. H: 2 µs/div.



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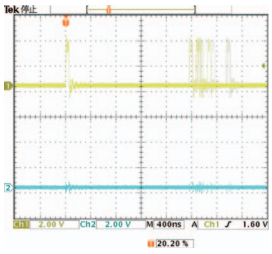
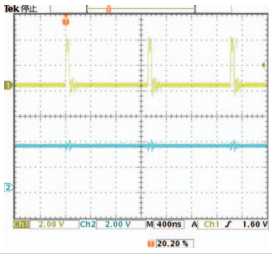
13 JOG touch signal (Touch/Untouch)
Ch1: **IC9601/IC9801 - pin 14** (GP2)
V: 2 V/div. H: 400 ns/div.
Ch2: **CN9601/CN9801 - pin 12** (JOGT_SW)
V: 2 V/div. H: 400 ns/div.

JOG Touch

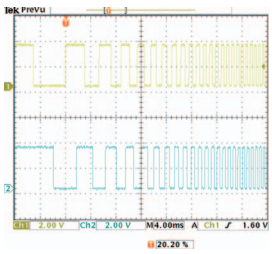


Ch1: **IC9601/IC9801 - pin 14** (GP2)
V: 2 V/div. H: 400 ns/div.
Ch2: **CN9601/CN9801 - pin 12** (JOGT_SW)
V: 2 V/div. H: 400 ns/div.

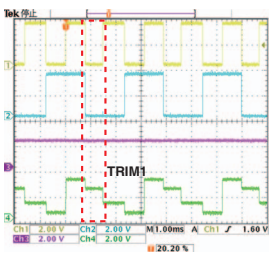
JOG Untouch



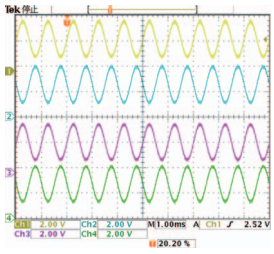
14 JOG rotate signal
Ch1: **CN9604/CN9804 - pin 4** (JOGR_A)
V: 2 V/div. H: 4 ms/div.
Ch2: **CN9604/CN9804 - pin 1** (JOGR_B)
V: 2 V/div. H: 4 ms/div.



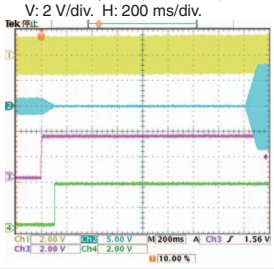
15 A/D SW operation
Ch1: **IC3201 - pin 10** (AD_SEL0)
V: 2 V/div. H: 1 ms/div.
Ch2: **IC3201 - pin 9** (AD_SEL1)
V: 2 V/div. H: 1 ms/div.
Ch3: **IC3201 - pin 1** (TRIM1)
V: 2 V/div. H: 1 ms/div.
Ch4: **IC3201 - pin 3** (MXR_AD0)
V: 2 V/div. H: 1 ms/div.



16 Master DAC OUT (1 kHz sinewave)
Ch1: **IC7001 - pin 12** (L+)
V: 2 V/div. H: 1 ms/div.
Ch2: **IC7001 - pin 11** (L-)
V: 2 V/div. H: 1 ms/div.
Ch3: **IC7001 - pin 10** (R+)
V: 2 V/div. H: 1 ms/div.
Ch4: **IC7001 - pin 9** (R-)
V: 2 V/div. H: 1 ms/div.



17 Audio INPUT / SW AMP selection (Line → Phono)
Ch1: **INPUT2 R**
V: 2 V/div. H: 200 ms/div.
Ch2: **Master OUT2 R**
V: 5 V/div. H: 200 ms/div.
Ch3: **CN5201 - pin 9** (SW_IN2)
V: 2 V/div. H: 200 ms/div.
Ch4: **CN5201 - pin 8** (SW_SEL2)
V: 2 V/div. H: 200 ms/div.



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A

B

C

D

E

F

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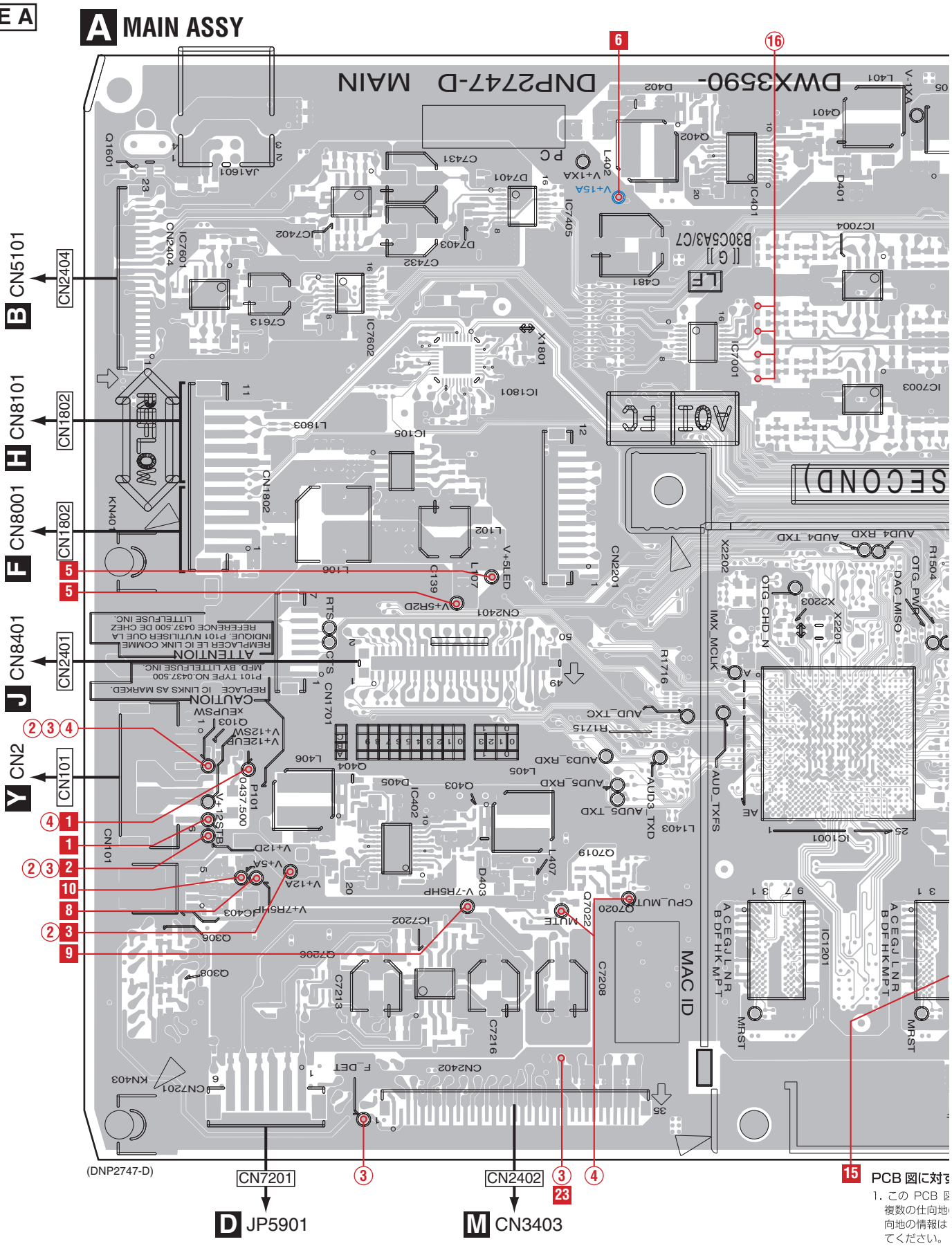
11. PCB CONNECTION DIAGRAM

11.1 MAIN ASSY

SIDE A



PCB 図に対す

1. この PCB 図
複数の仕向地
向地の情報は
てください。

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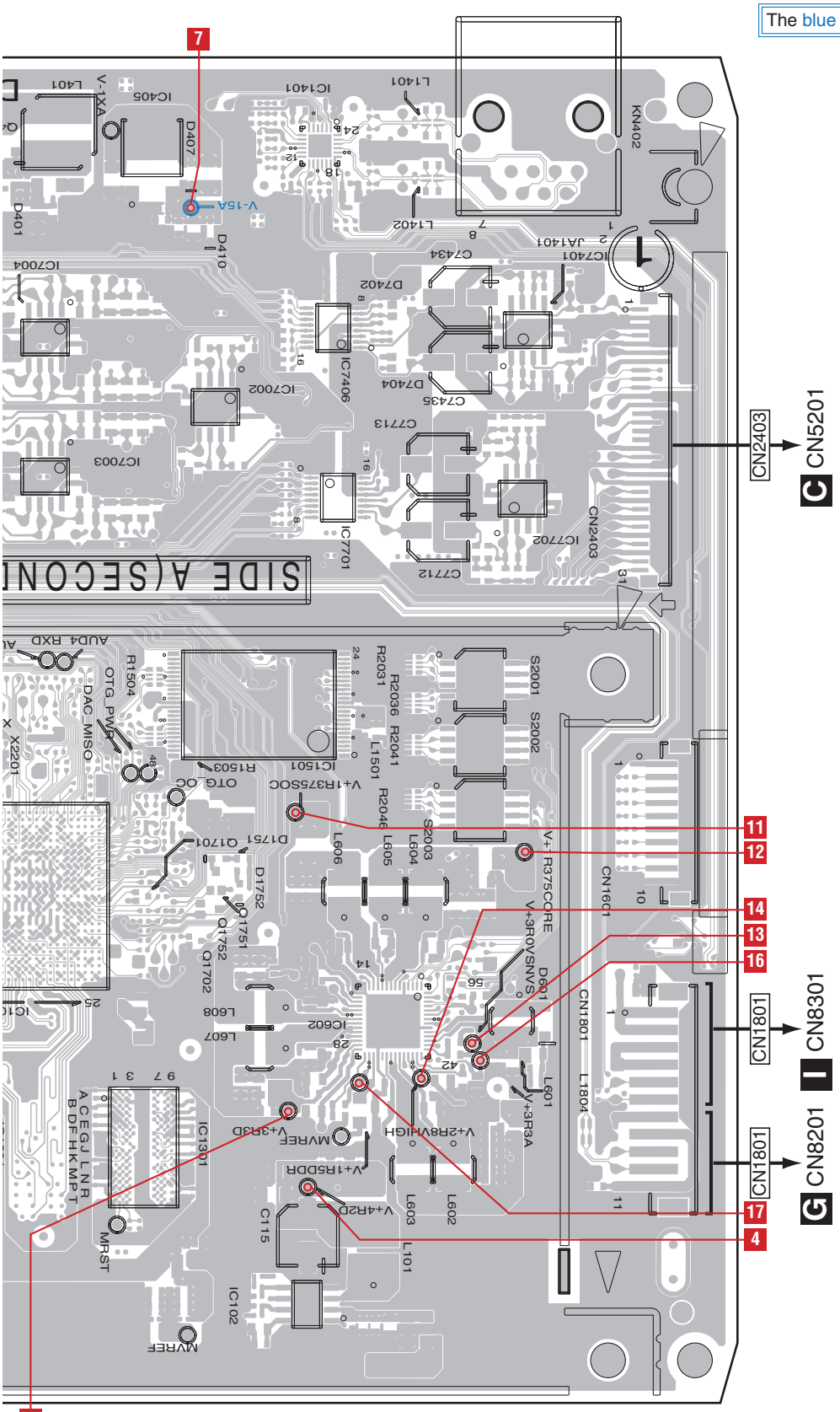
The blue character is silk for services.

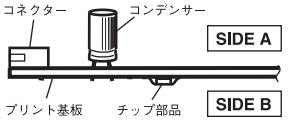
SIDE A



PCB 図に対する注意

1. この PCB 図にマウントしている部品は複数の仕向地の部品を含んでいます。各仕向地の情報は、回路図で確認するようにしてください。

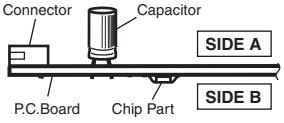
2. PCB 図の見かた。



NOTE FOR PCB DIAGRAMS :

1. The parts mounted on this PCB include all necessary parts for several destinations. For further information for respective destinations, be sure to check with the schematic diagram.

2. View point of PCB diagrams.



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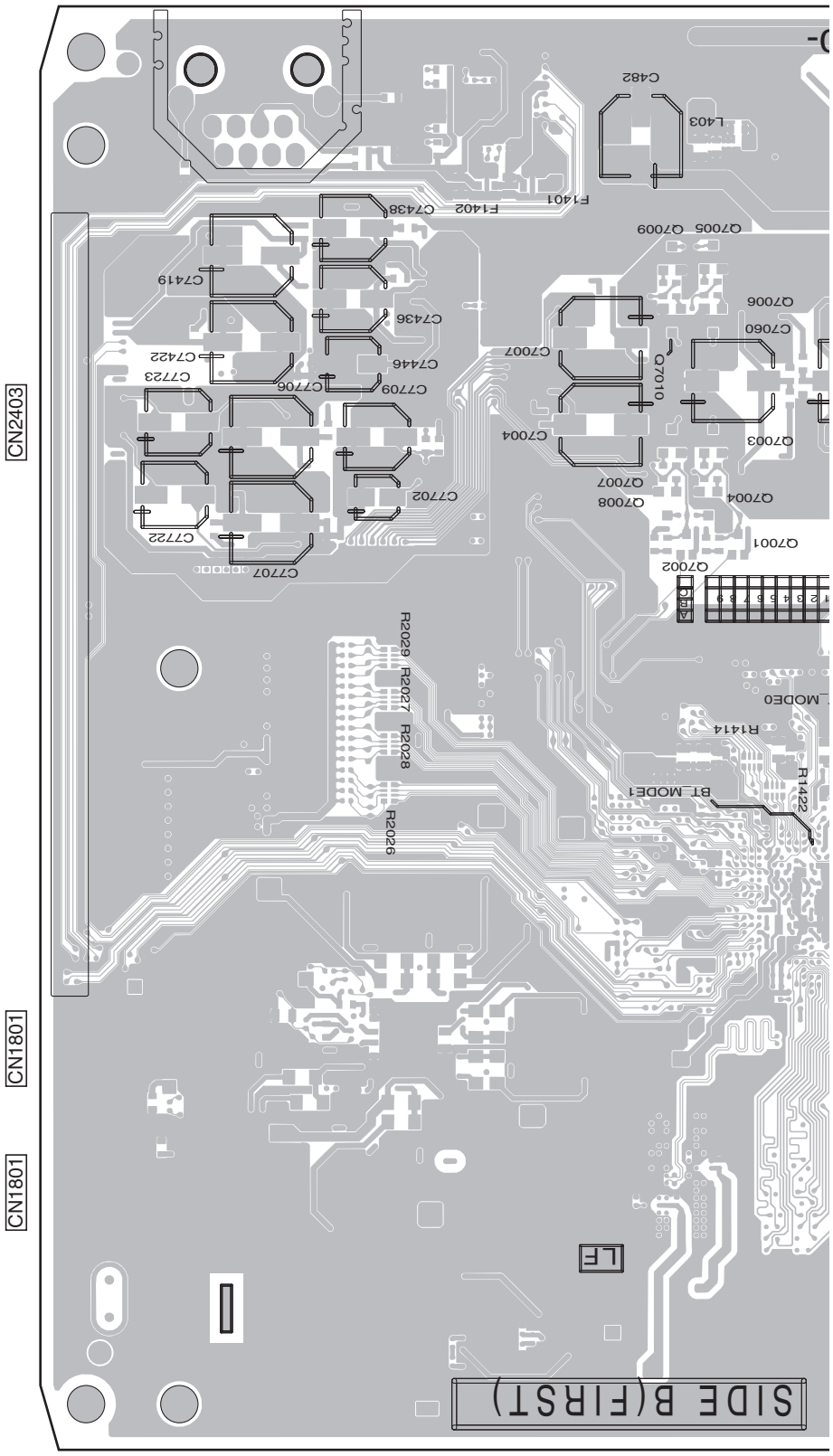
SIDE B

A MAIN ASSY

Q7005
Q7009
IC404
Q7006
Q7003
Q7004
Q7001
Q7002
IC2202
IC2201
IC1551
Q304
Q305
Q7202-Q7205
IC7201
Q302
Q301
Q309
Q303
Q307
IC2401 Q310



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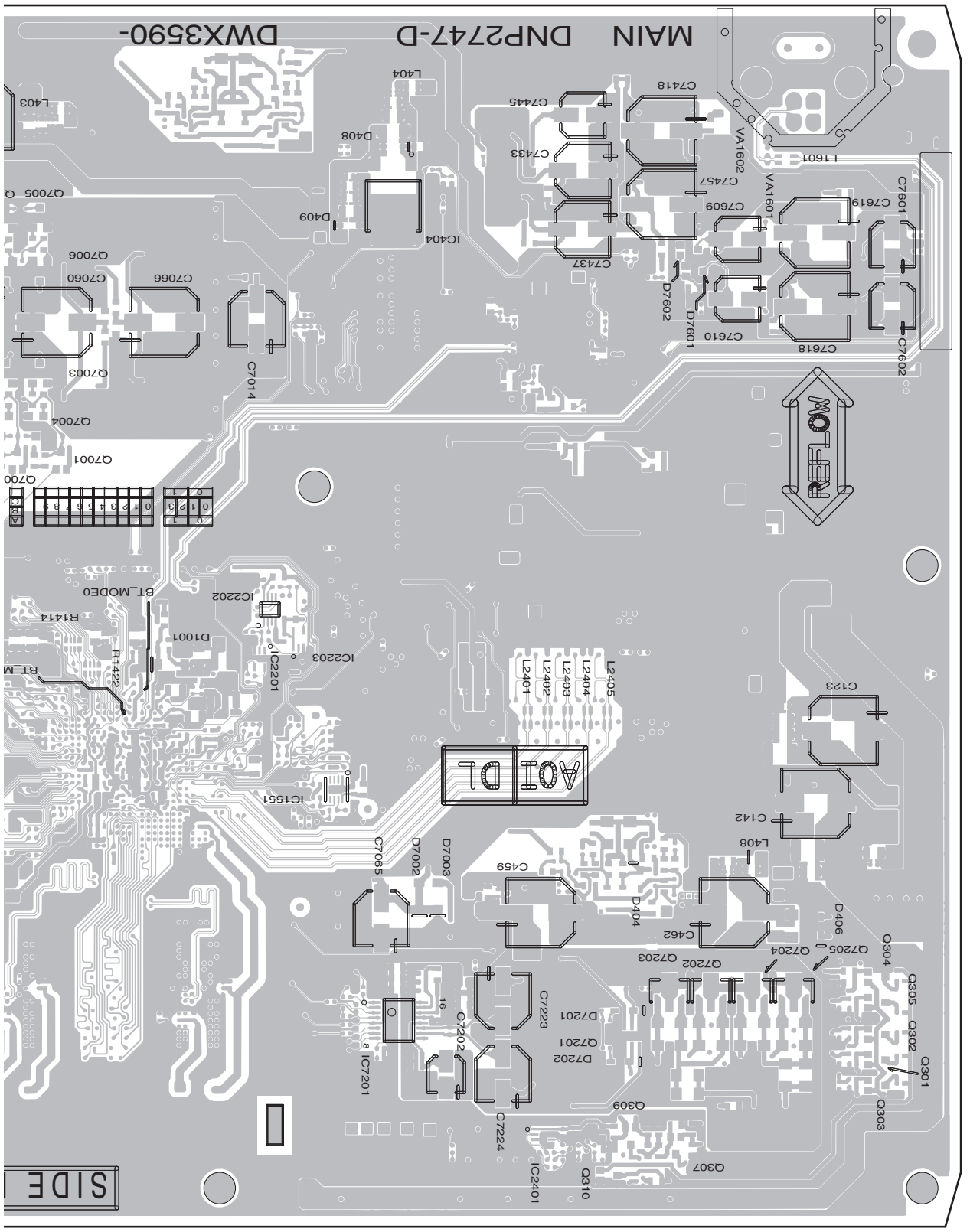
SIDE B



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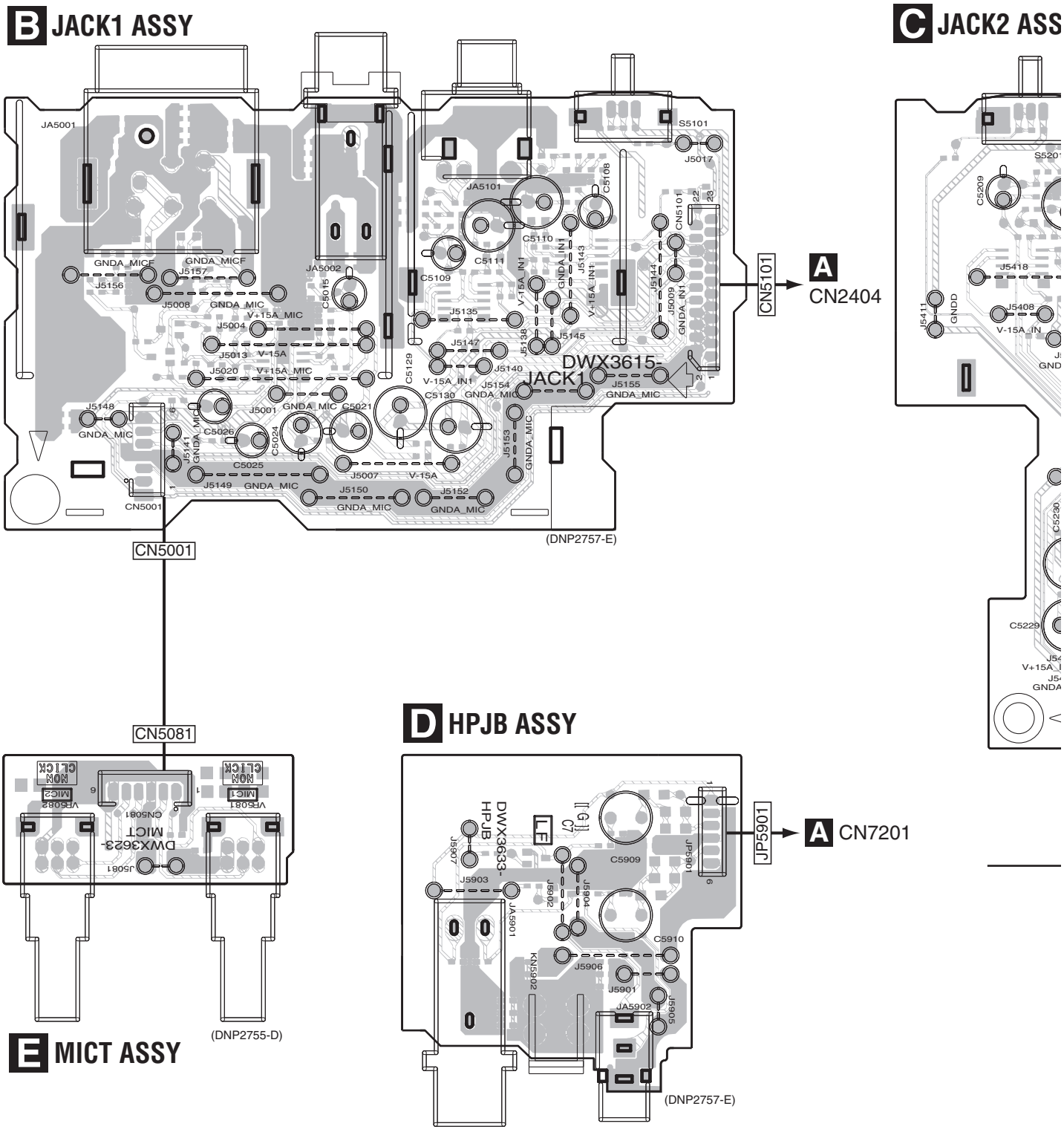
11.2 JACK1, JACK2, HPJB and MICT ASSYS

SIDE A



B C D E

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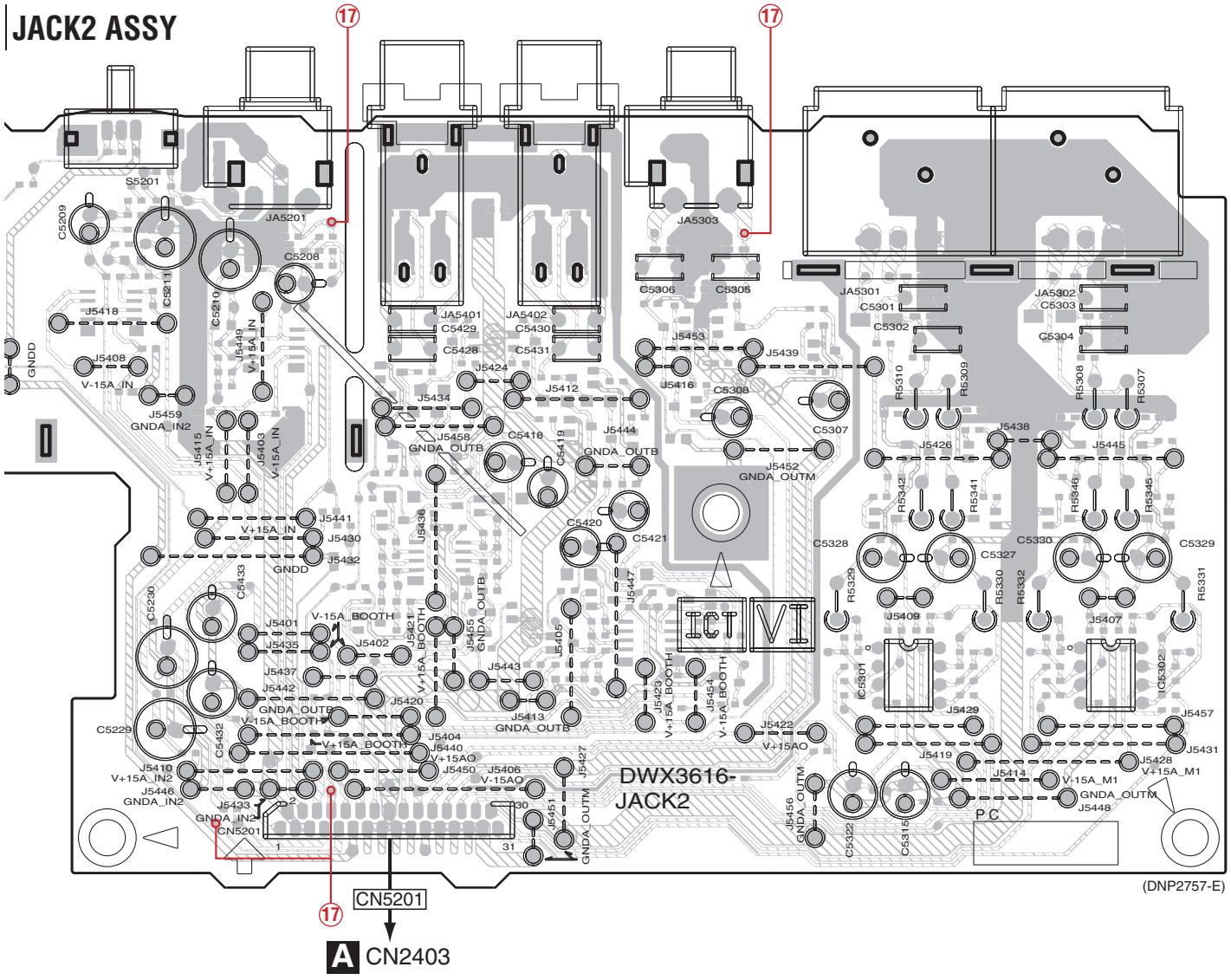
SIDE A

JACK2 ASSY



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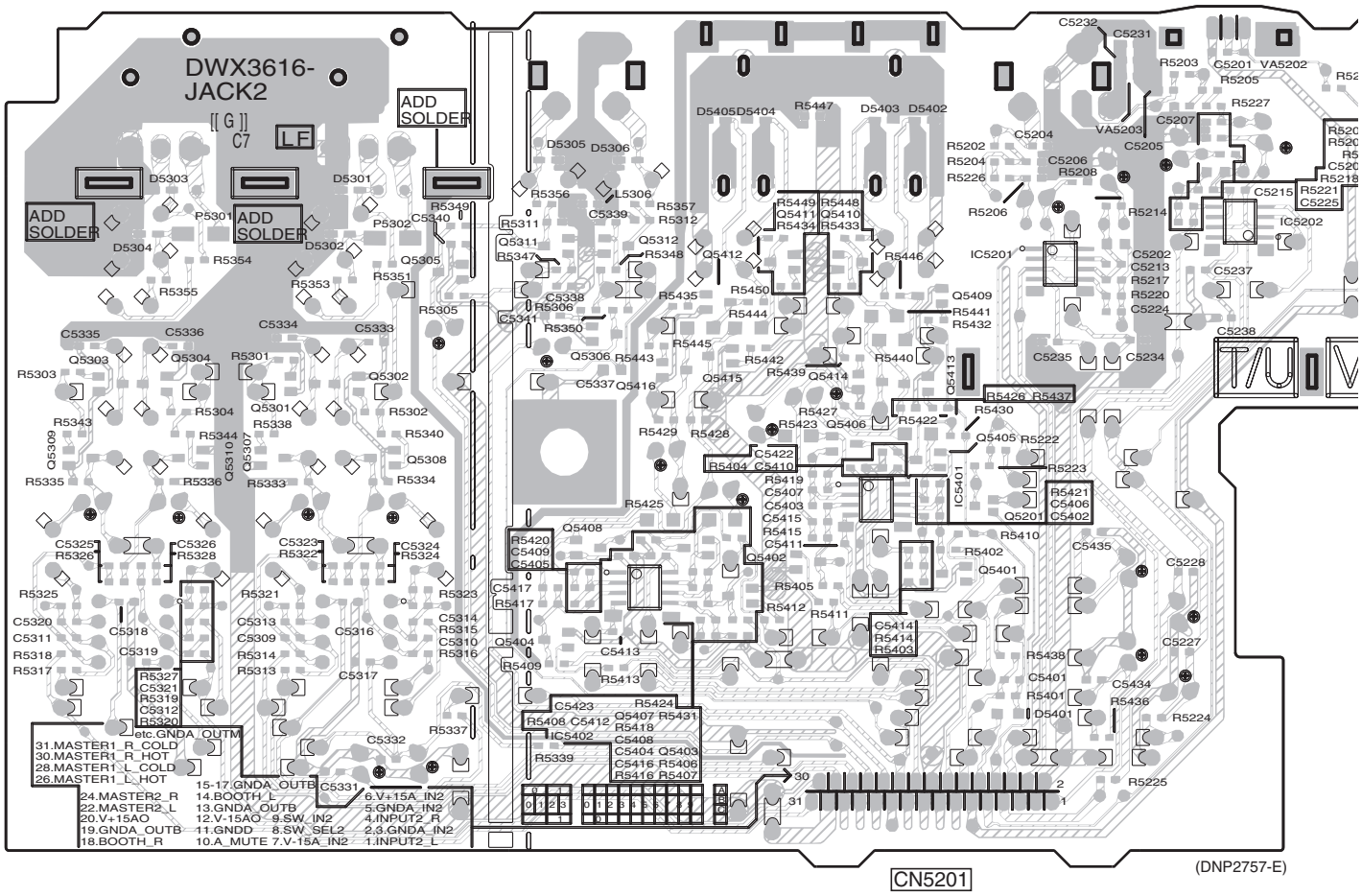
SIDE B

C JACK2 ASSY



Q5303 Q5304 Q5301 Q5302 Q5311 Q5312 Q5412 Q5411 Q5410 Q5409 IC5201 IC5202
Q5309 Q5307 Q5308 Q5306 Q5416 Q5415 Q5414 Q5413
Q5310 Q5408 Q5402 Q5406 Q5405
Q5404 IC5402 IC5401 Q5201
Q5407 Q5401
Q5403

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SIDE B

A

B

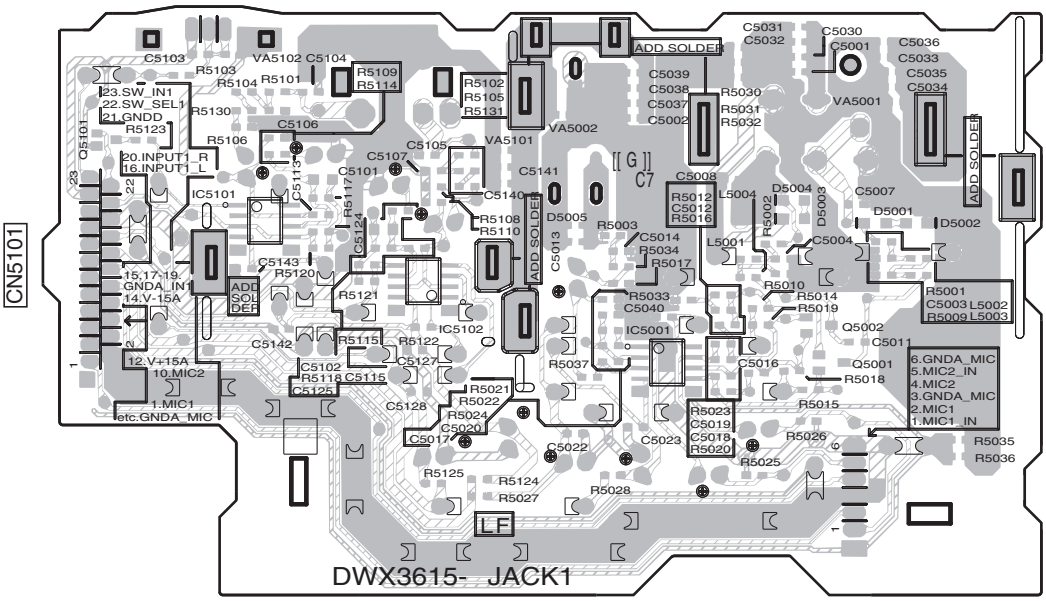
C

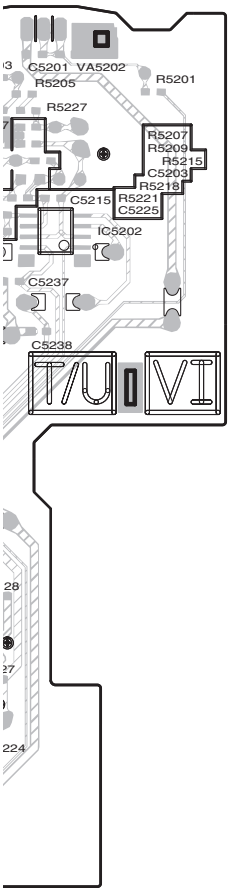
D

E

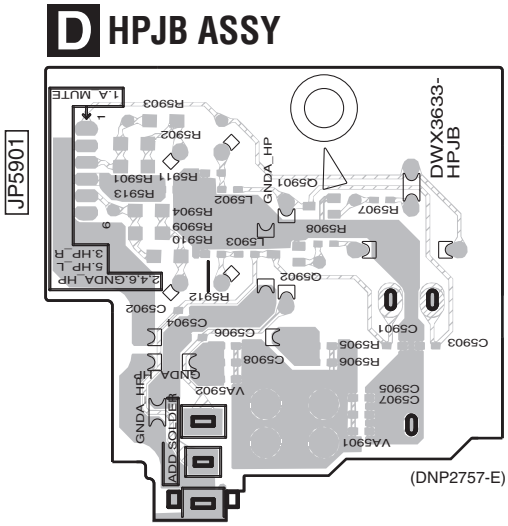
F

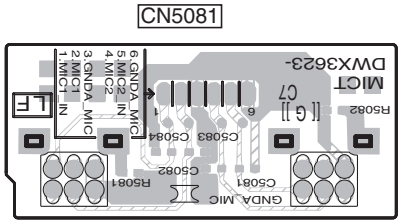
B JACK1 ASSY





D HPJB ASSY





E MICT ASSY

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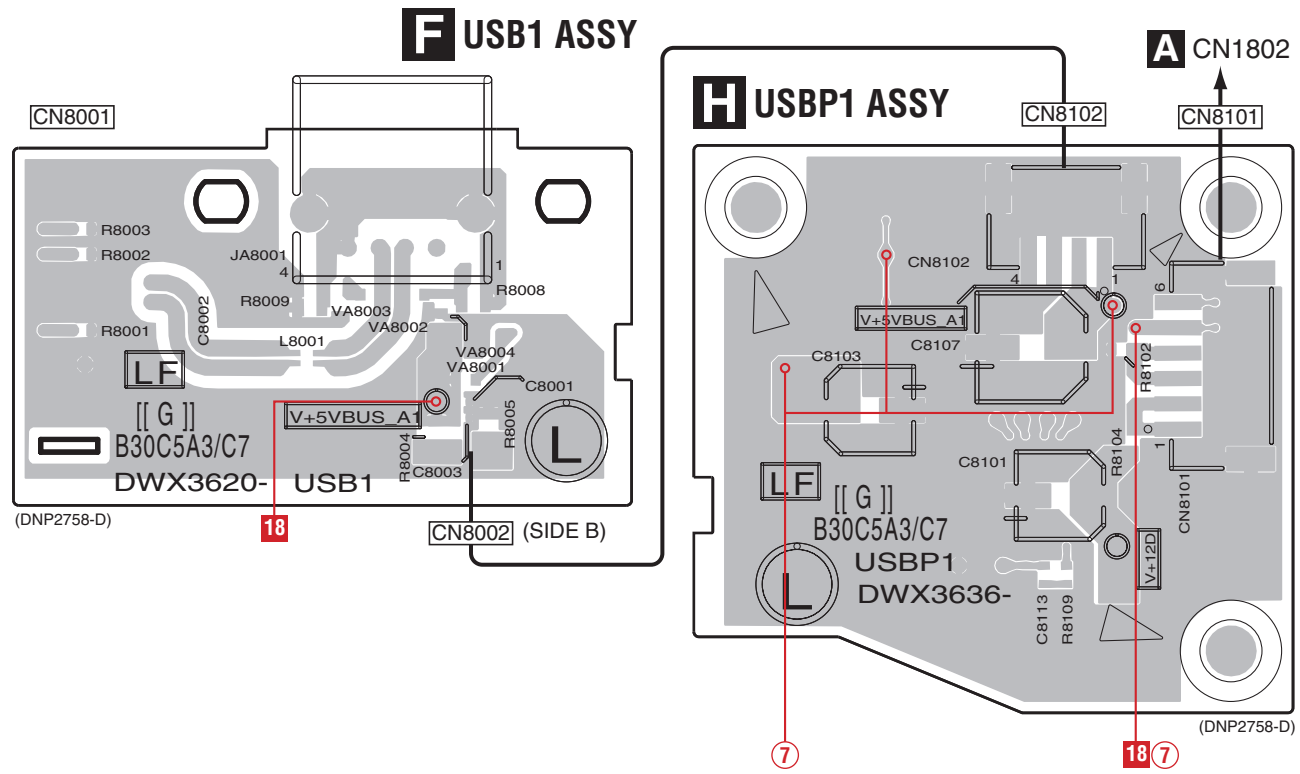
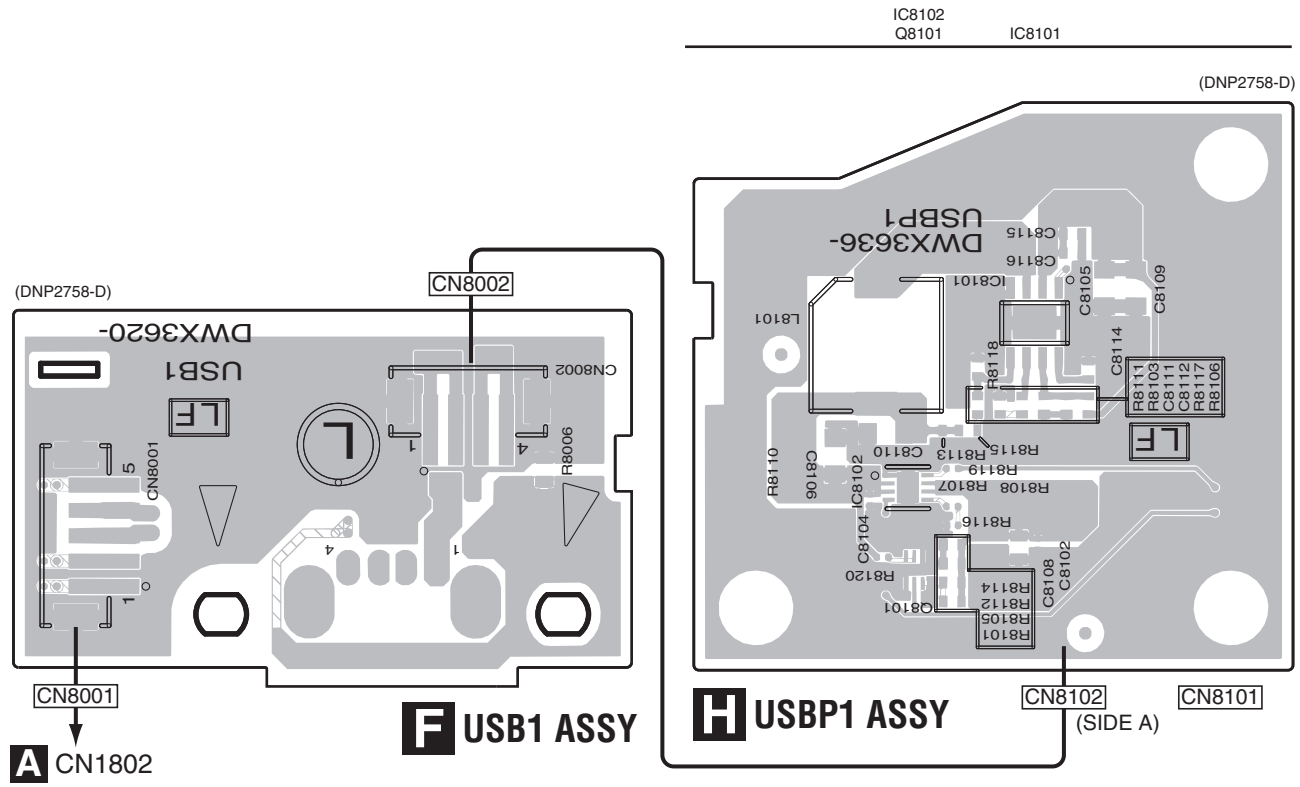
11.3 USB1, USB2, USBP1 and USBP2 ASSYS

SIDE A



SIDE B



F H

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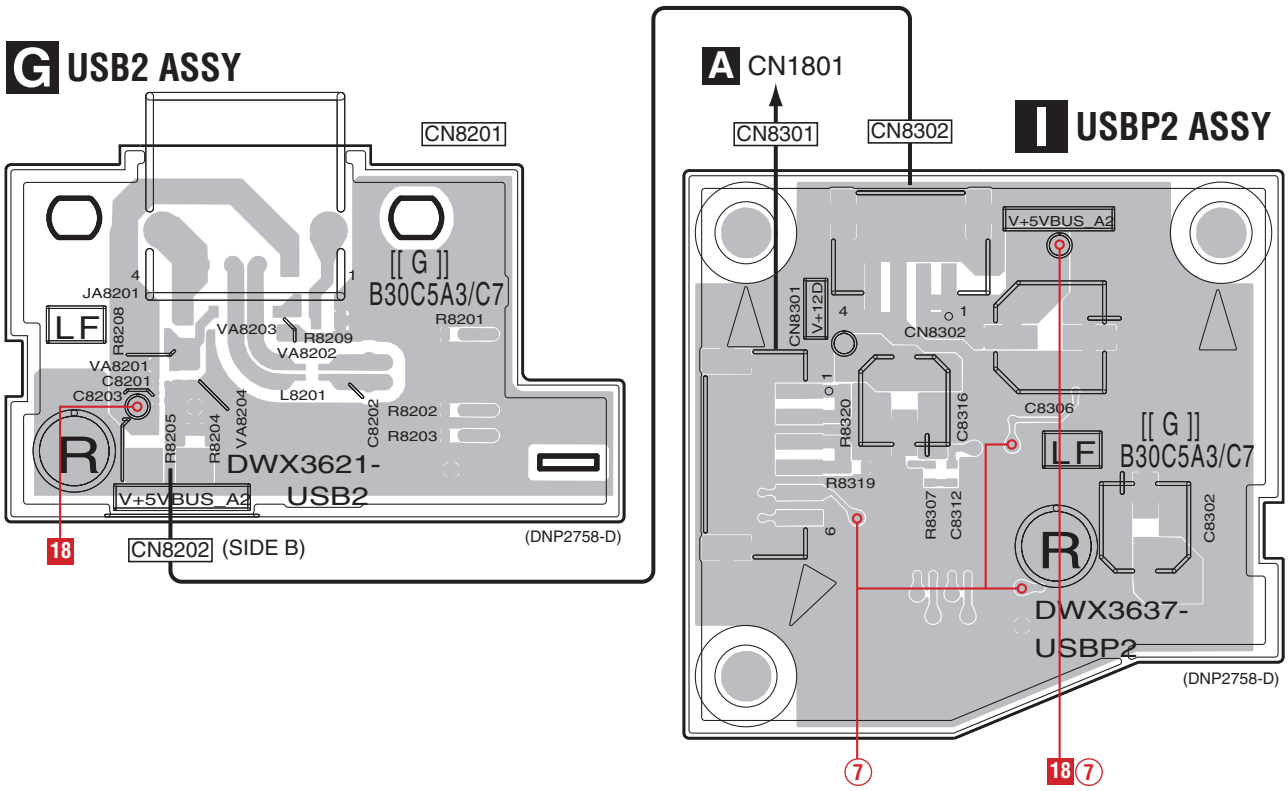
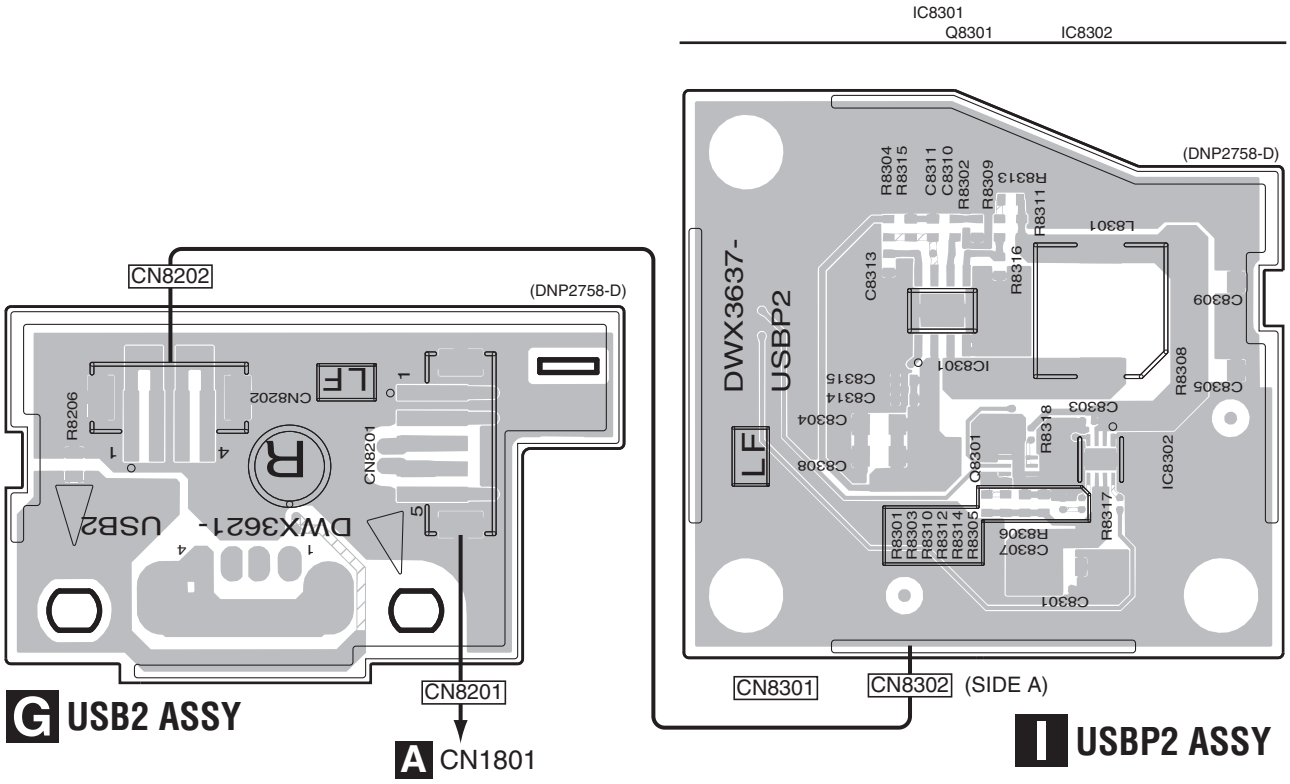
SIDE A



SIDE B



G I

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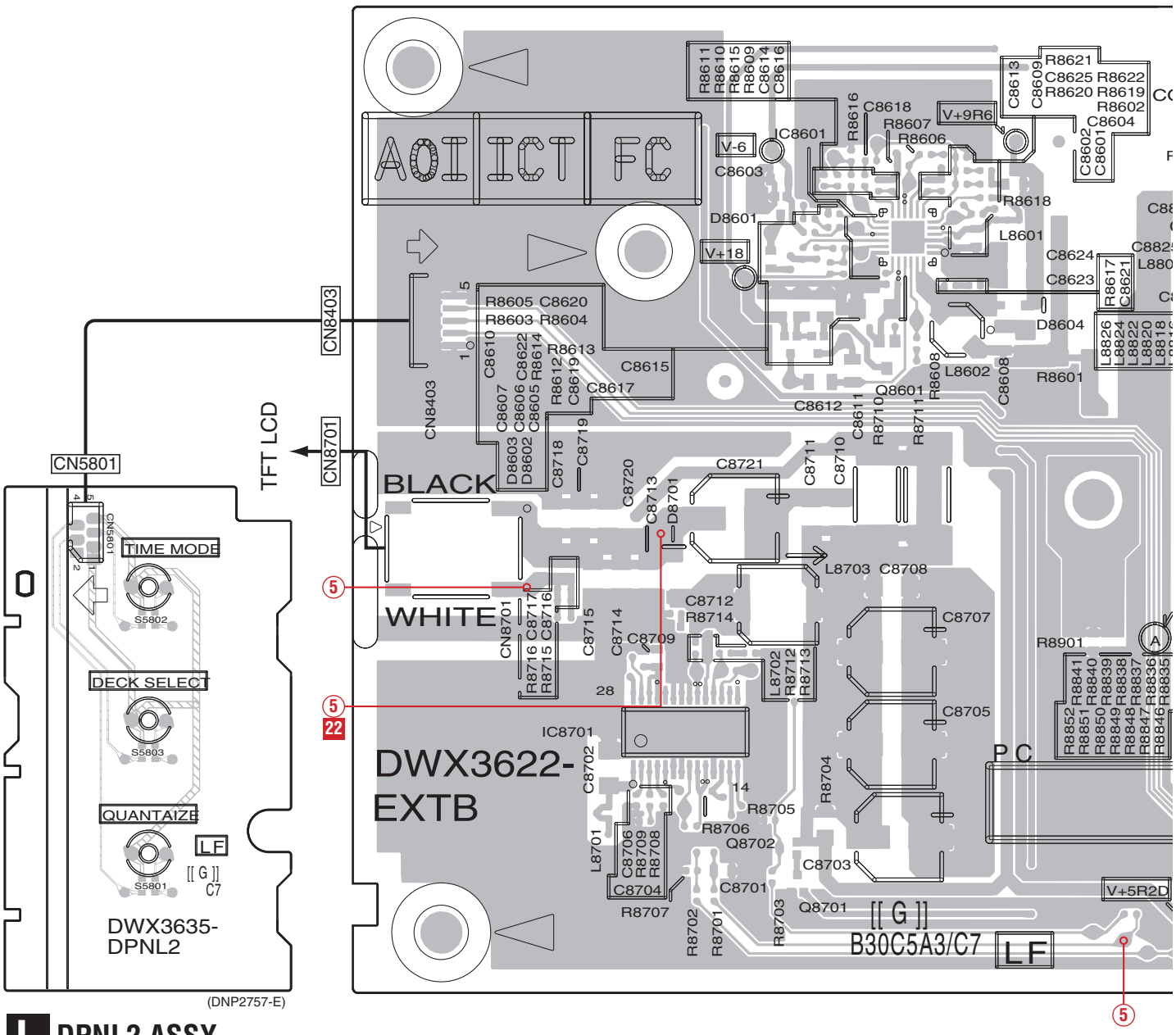
11.4 EXTB, DPNL! And DPNL2 ASSYS

SIDE A

J EXTB ASSY



L DPNL2 ASSY

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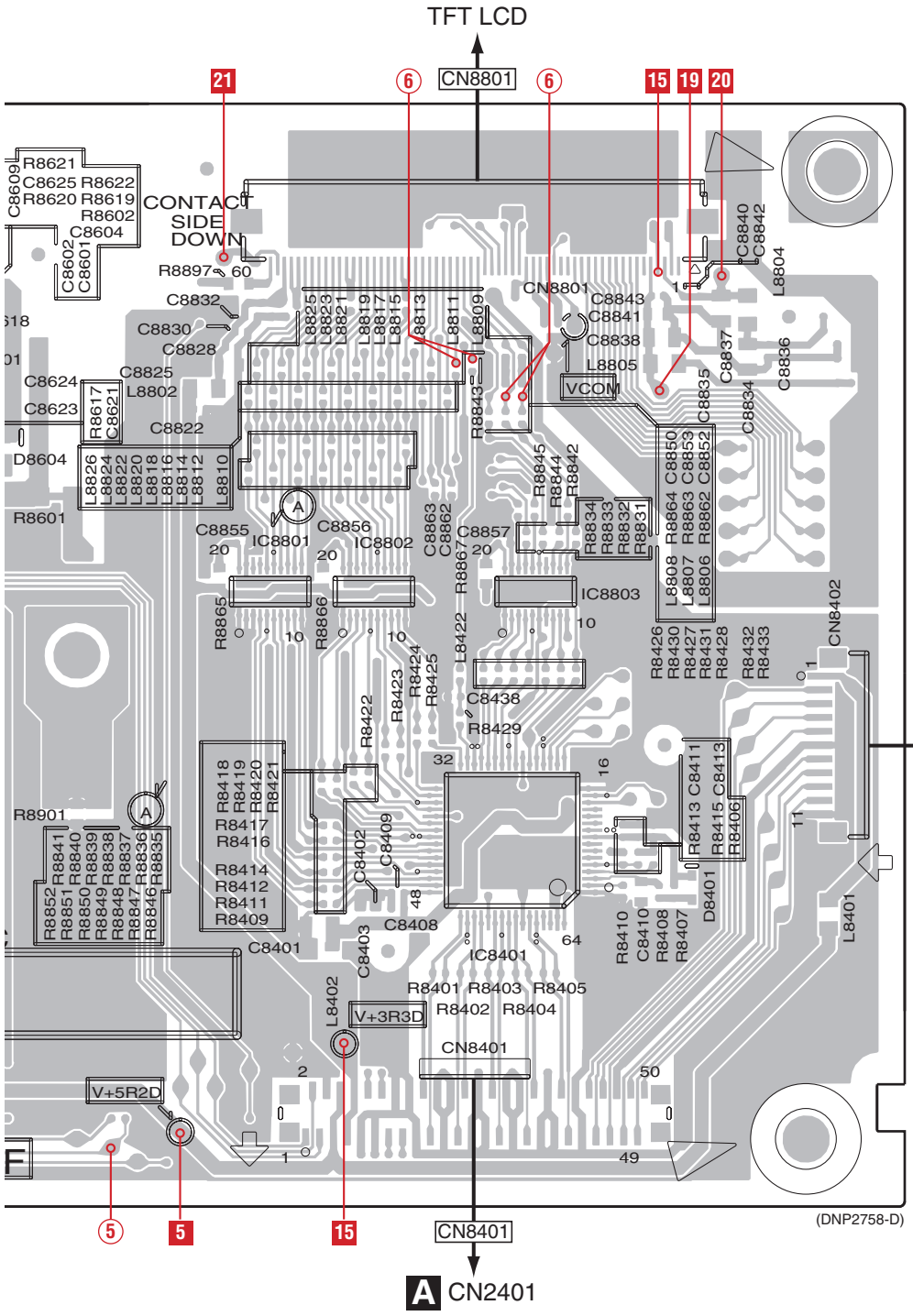
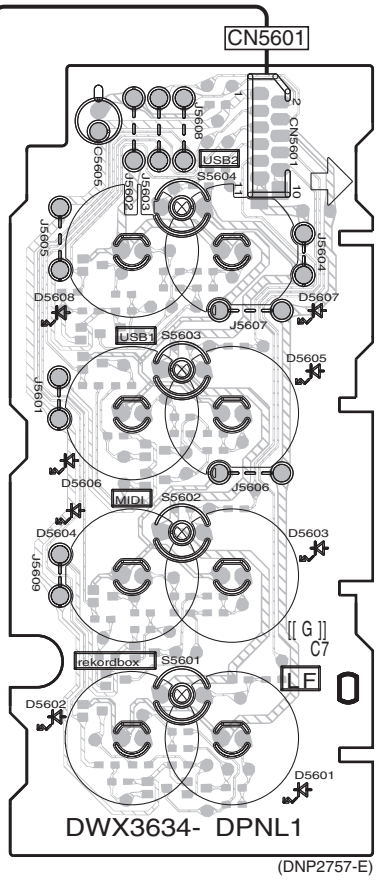
SIDE A





K DPNL1 ASSY

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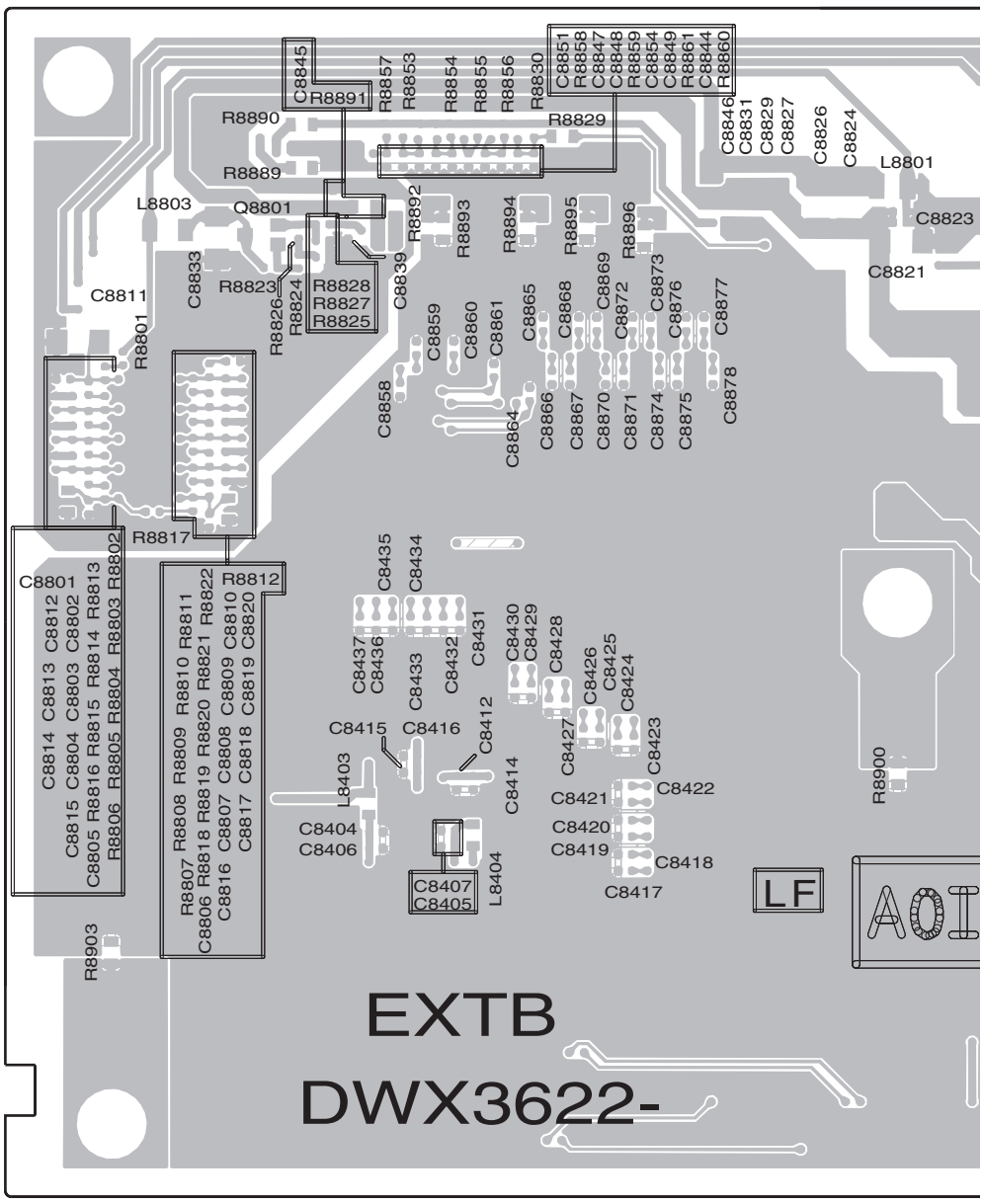
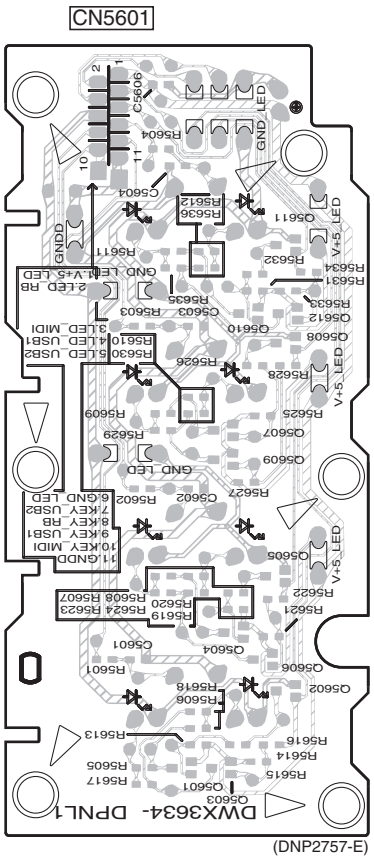
SIDE B

J EXTB ASSY



K DPNL1 ASSY



(DNP2757-E)

Q5611
Q5610 Q5612
Q5607 Q5608
Q5609
Q5604 Q5605
Q5601 Q5606
Q5603 Q5602

Q8801

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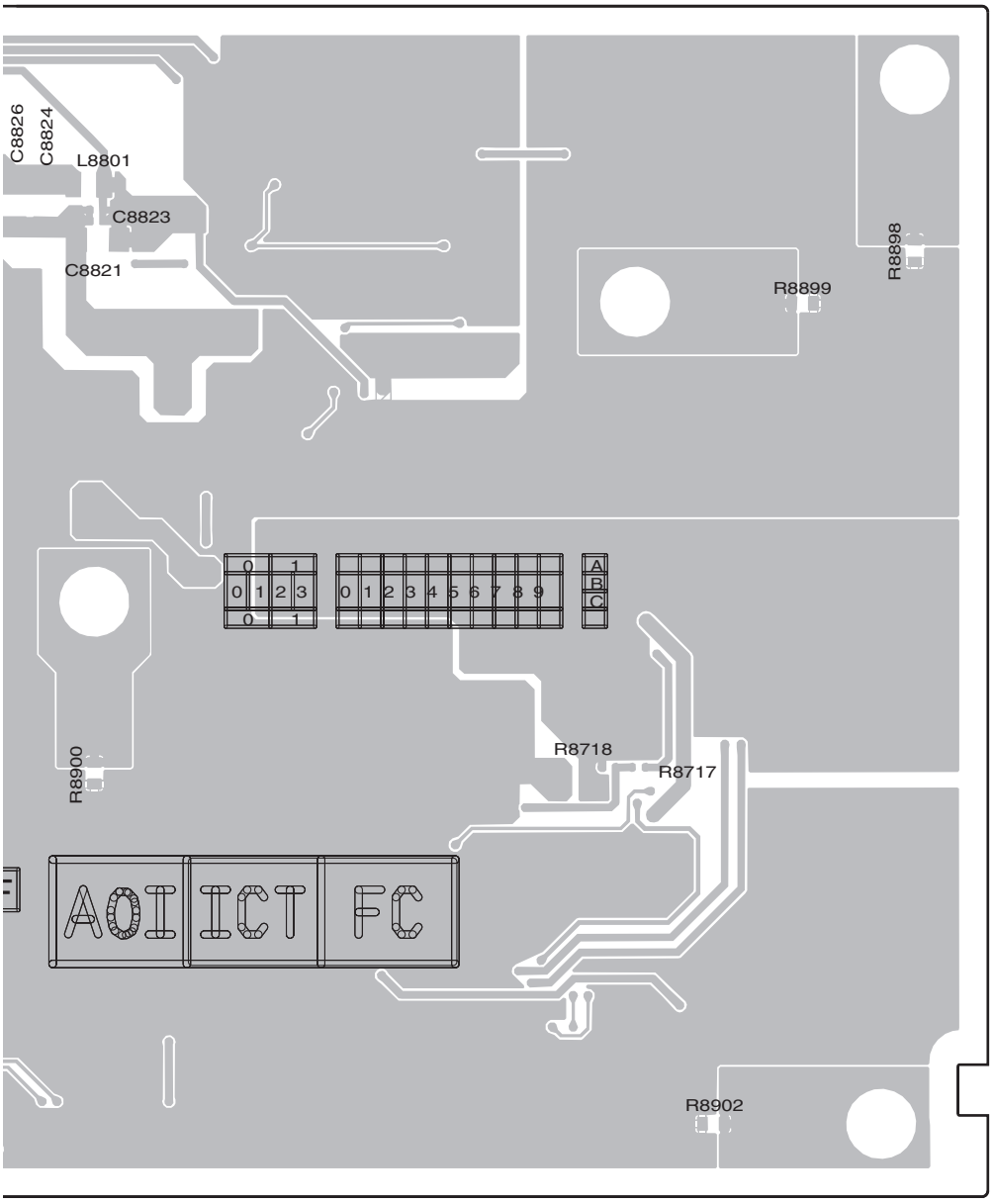
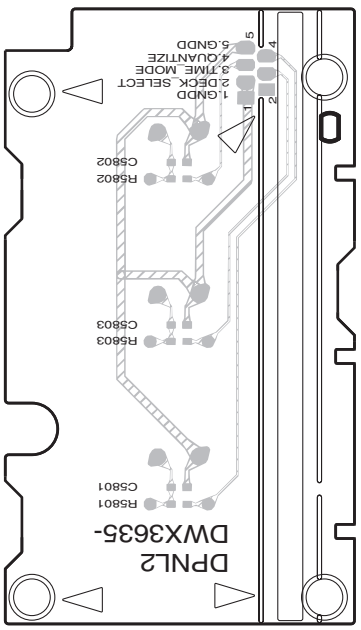
SIDE B



(DNP2758-D)

CN5801



(DNP2757-E)

L DPNL2 ASSY

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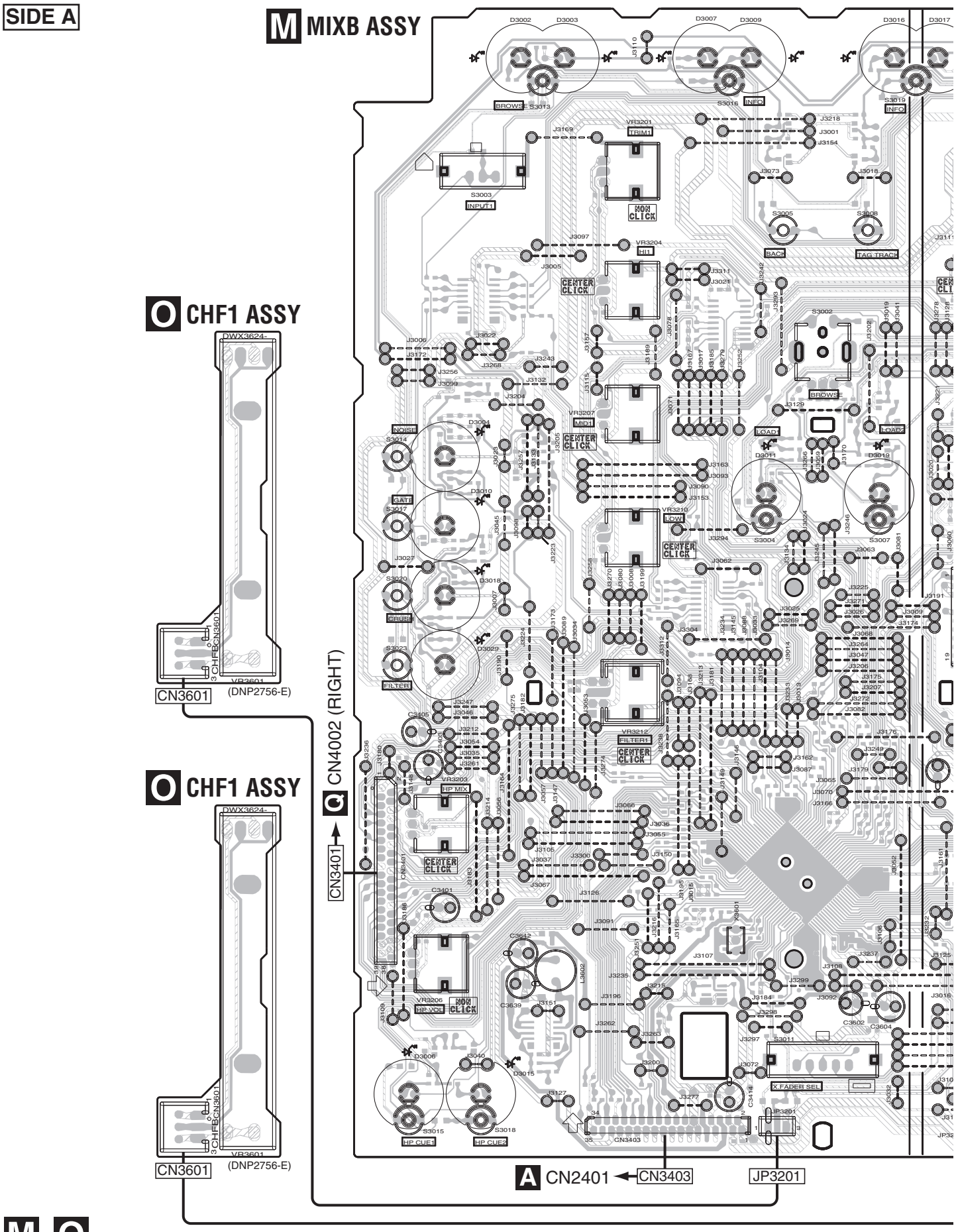
11.5 MIXB, CRFB, CHF1 and LLED ASSYS



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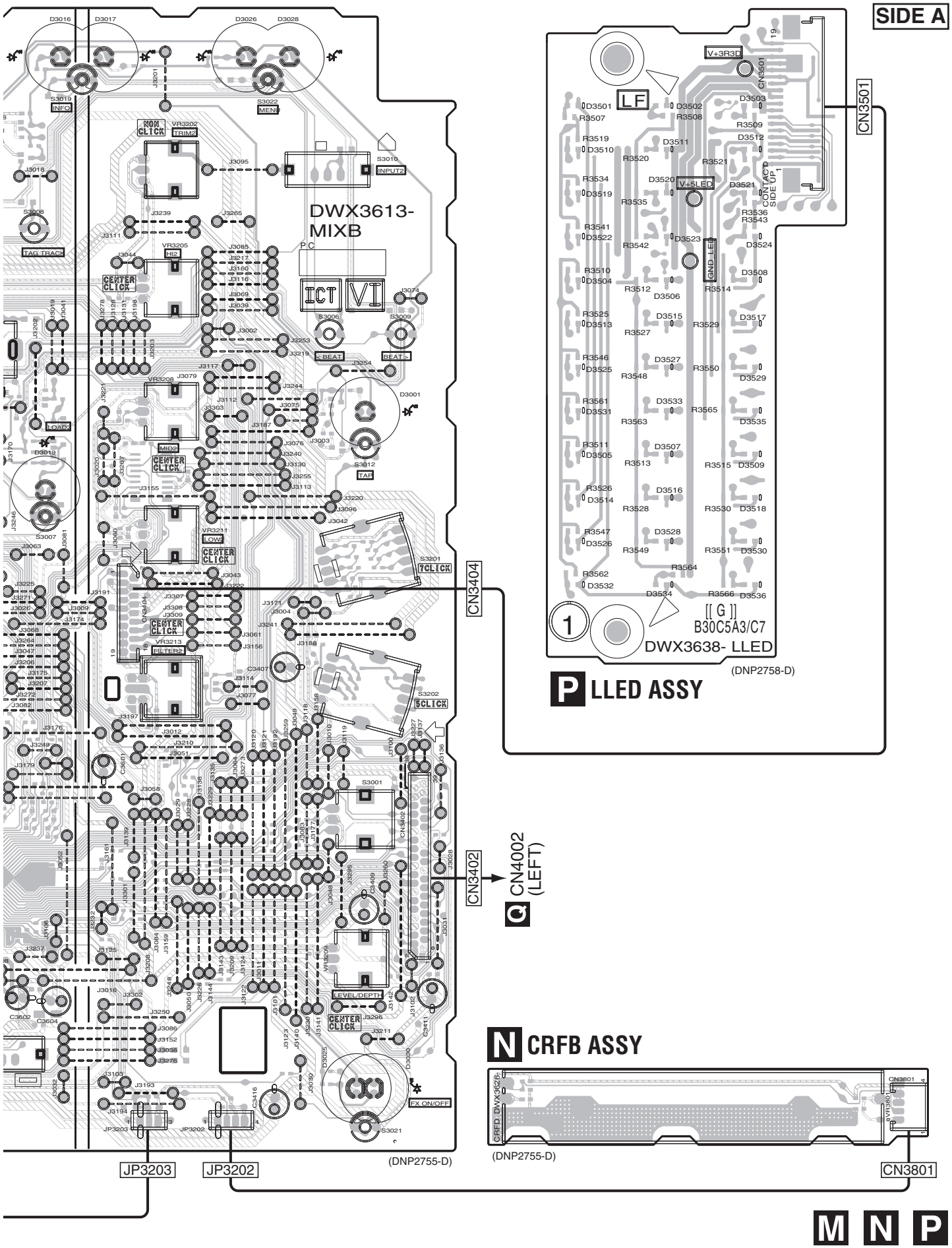
SIDE A



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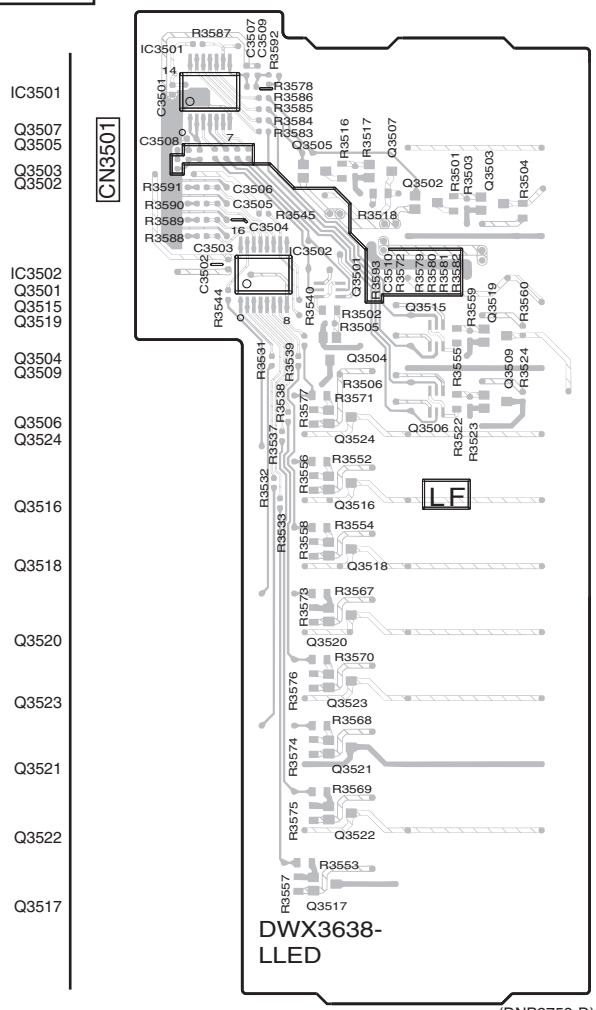
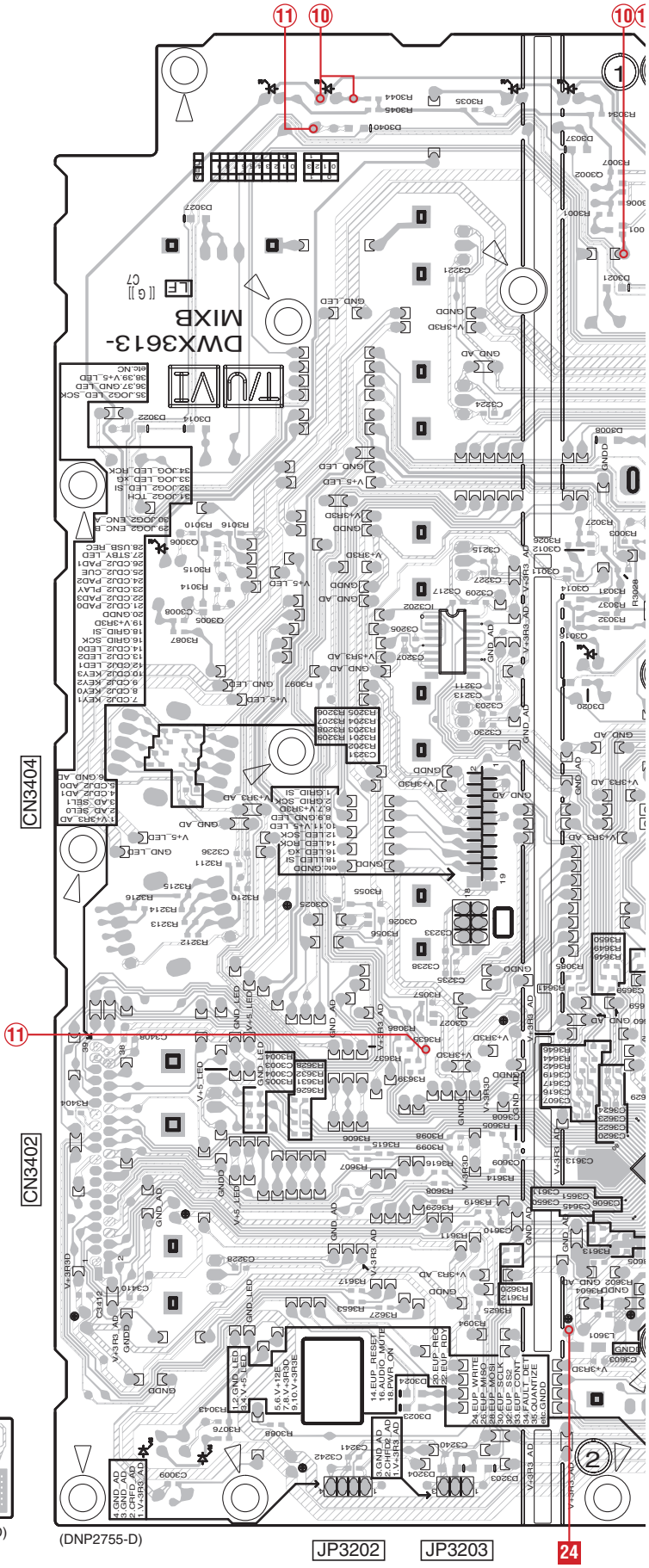
SIDE B

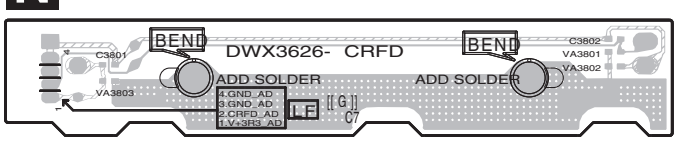


(DNP2758-D)

P LLED ASSY



N CRFB ASSY



(DNP2755-D)

M N P

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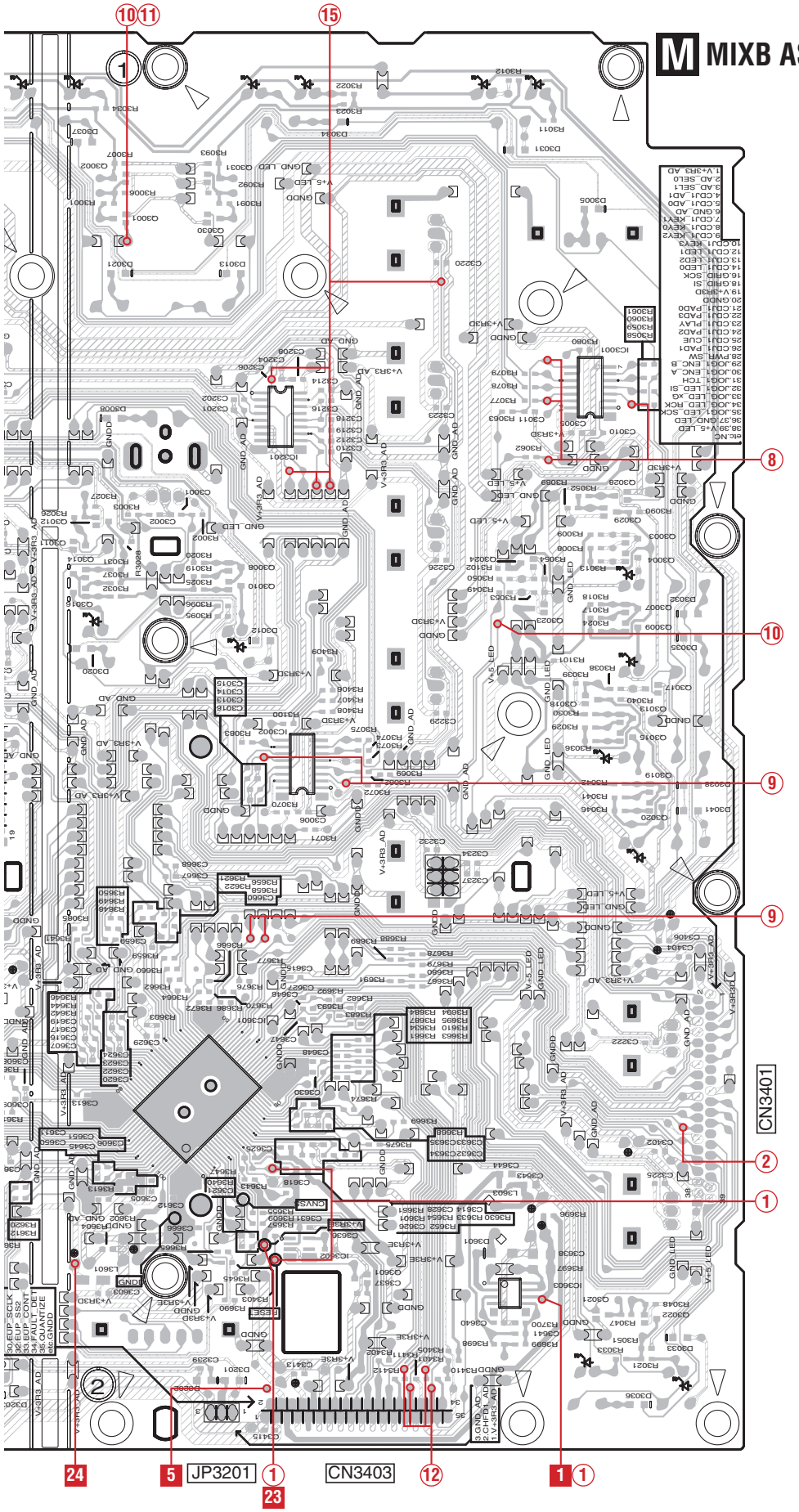

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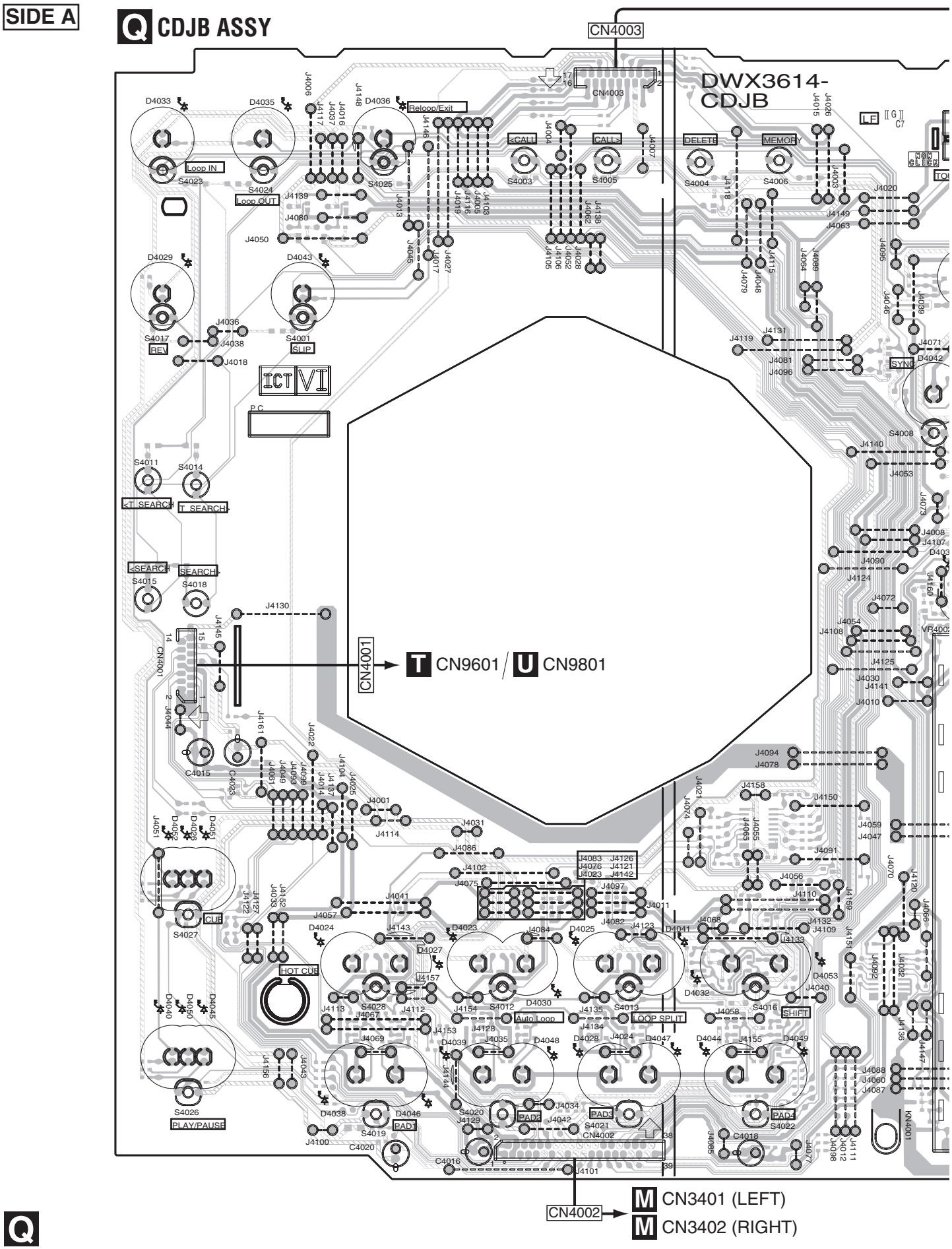
11.6 CDJB, PNL1 and PNL2 ASSYS



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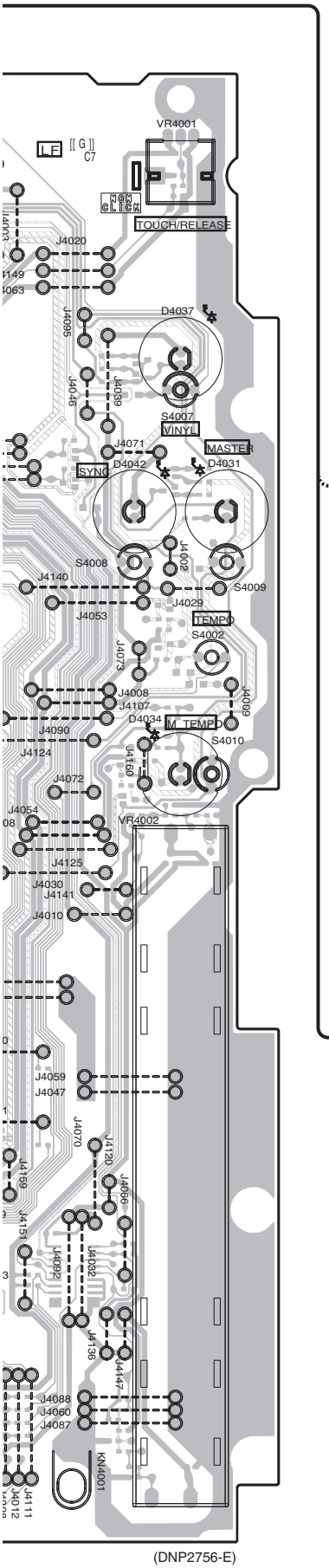
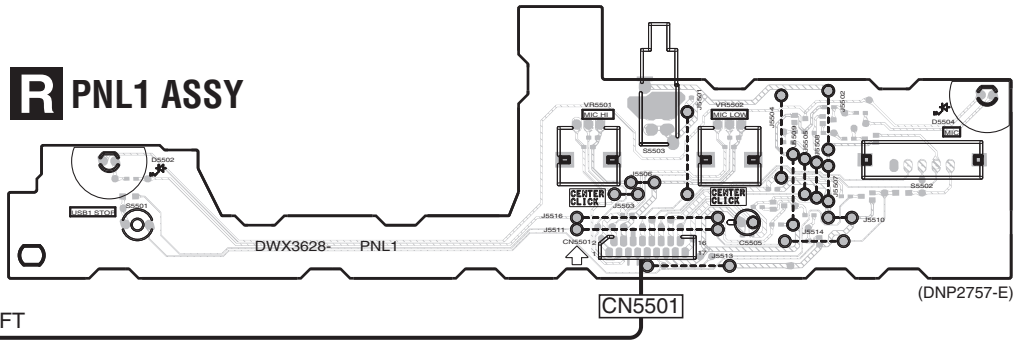
SIDE A



(DNP2756-E)

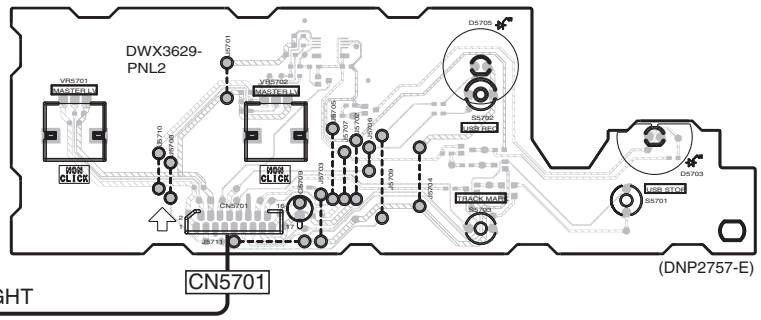
R PNL1 ASSY



(DNP2757-E)

LEFT

S PNL2 ASSY



(DNP2757-E)

RIGHT

A B C D E F

Q R S

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SIDE B

A

B

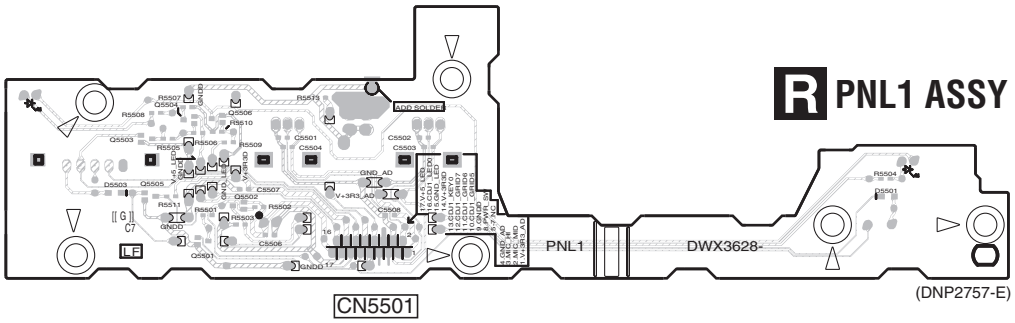
C

D

E

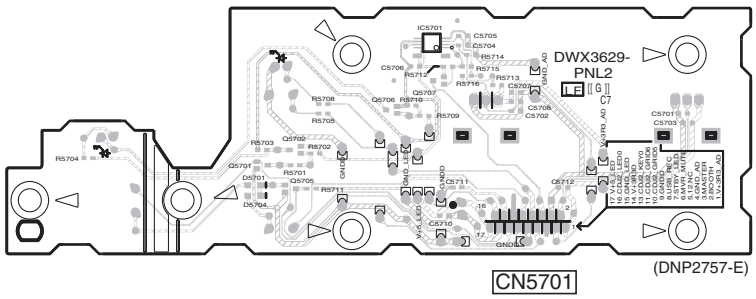
F

R PNL1 ASSY

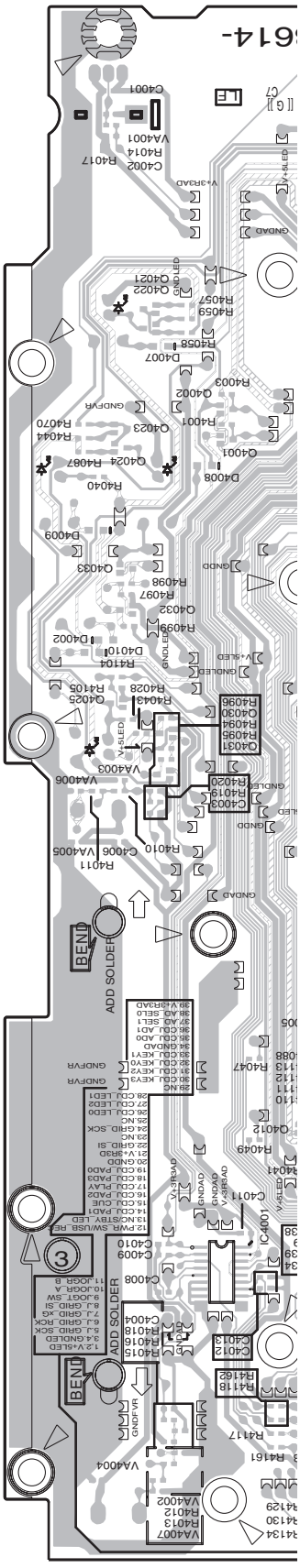


Q5503 Q5504 Q5506
Q5505 Q5501 Q5502

S PNL2 ASSY



IC5701
Q5701 Q5702 Q5706 Q5707
Q5705



Q R S

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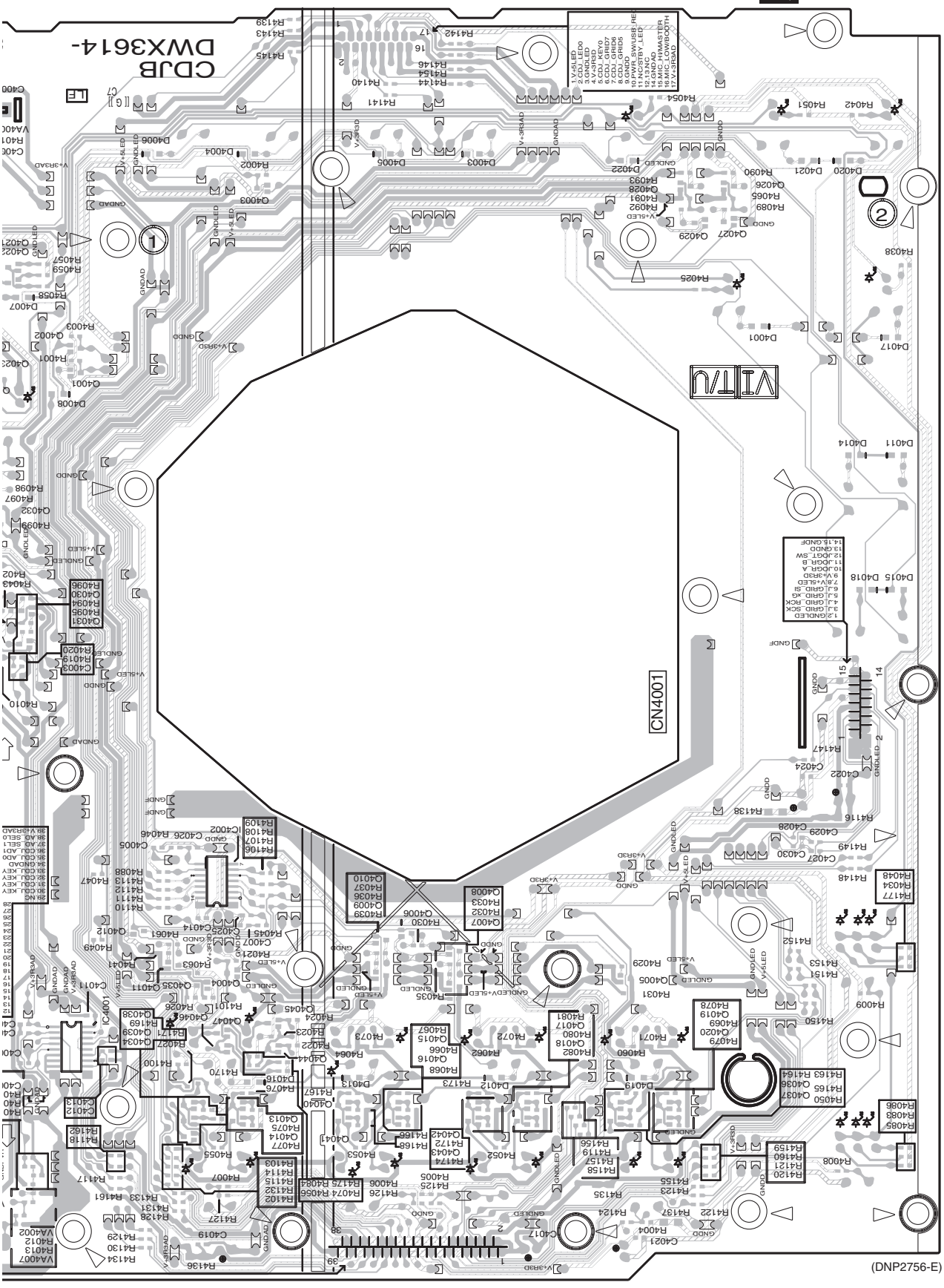
CDJB ASSY

SIDE B



A
B
C
D
E
F

Q4026
Q4028
Q4003
Q4021
Q4027
Q4022
Q4029
Q4002
Q4023
Q4001
Q4024
Q4033
Q4032
Q4025
IC4002
Q4008
Q4006
Q4007
Q4012
Q4004
Q4035
Q4005
Q4011
Q4045
Q4038
Q4019
Q4017
Q4039
Q4020
Q4034
Q4015
IC4001
Q4018
Q4044
Q4016
Q4036
Q4037
Q4040
Q4013
Q4042
Q4014
Q4041

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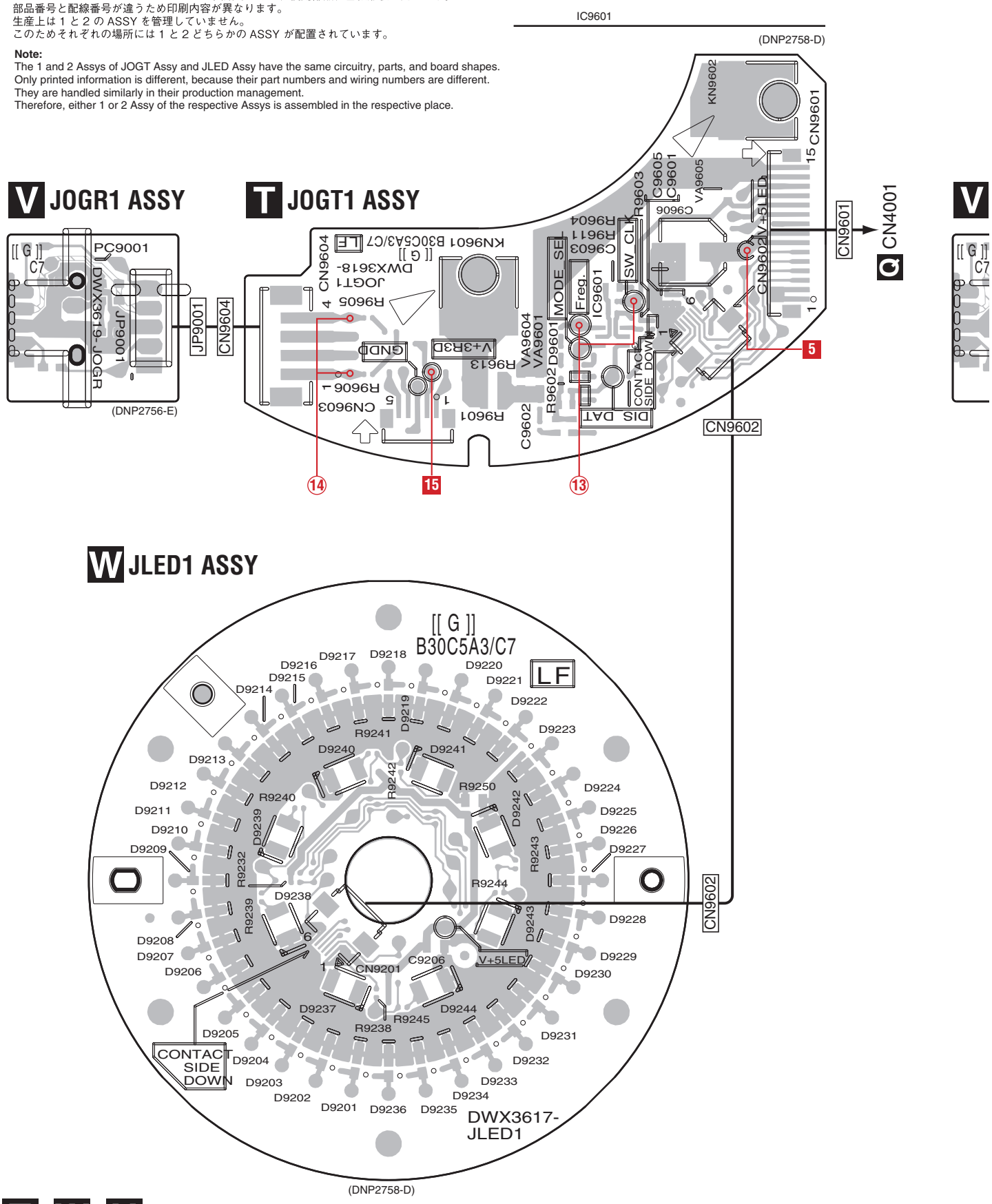
11.7 JOGT1, JOGT2, JOGR1, JLED1 and JLED2 ASSYS

SIDE A

注意：
JOGT ASSY、JLED ASSYの１と２は回路そのもの、使用部品、基板形状は同じです。
部品番号と配線番号が違うため印刷内容が異なります。
生産上は１と２のASSYを管理していません。
このためそれぞれの場所には１と２どちらかのASSYが配置されています。

Note:
The 1 and 2 Assys of JOGT Assy and JLED Assy have the same circuitry, parts, and board shapes.
Only printed information is different, because their part numbers and wiring numbers are different.
They are handled similarly in their production management.
Therefore, either 1 or 2 Assy of the respective Assys is assembled in the respective place.



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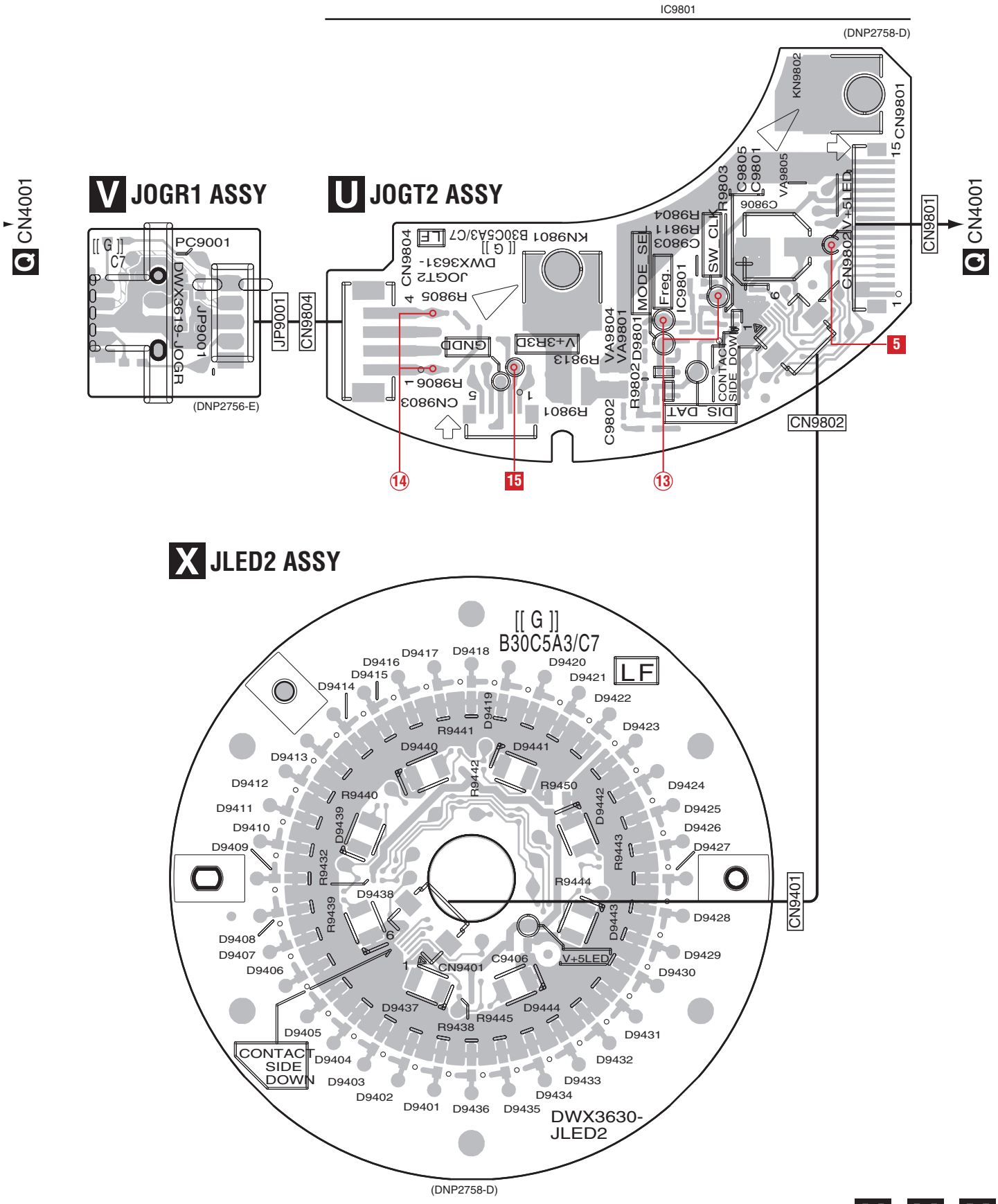

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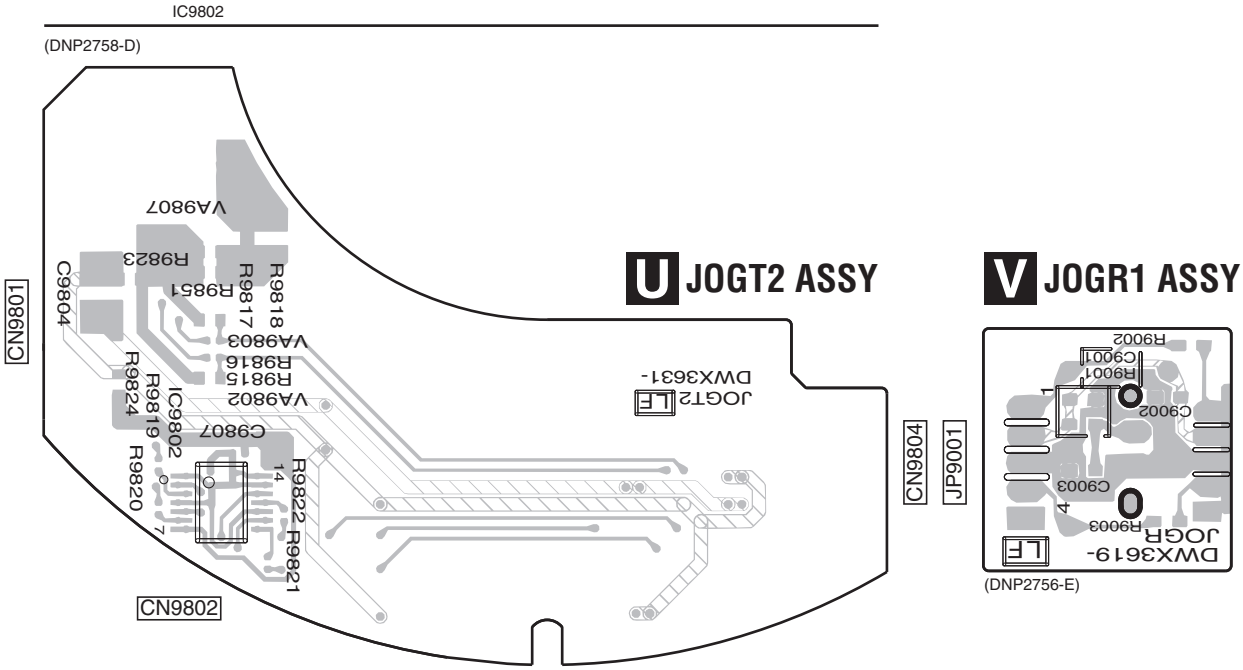
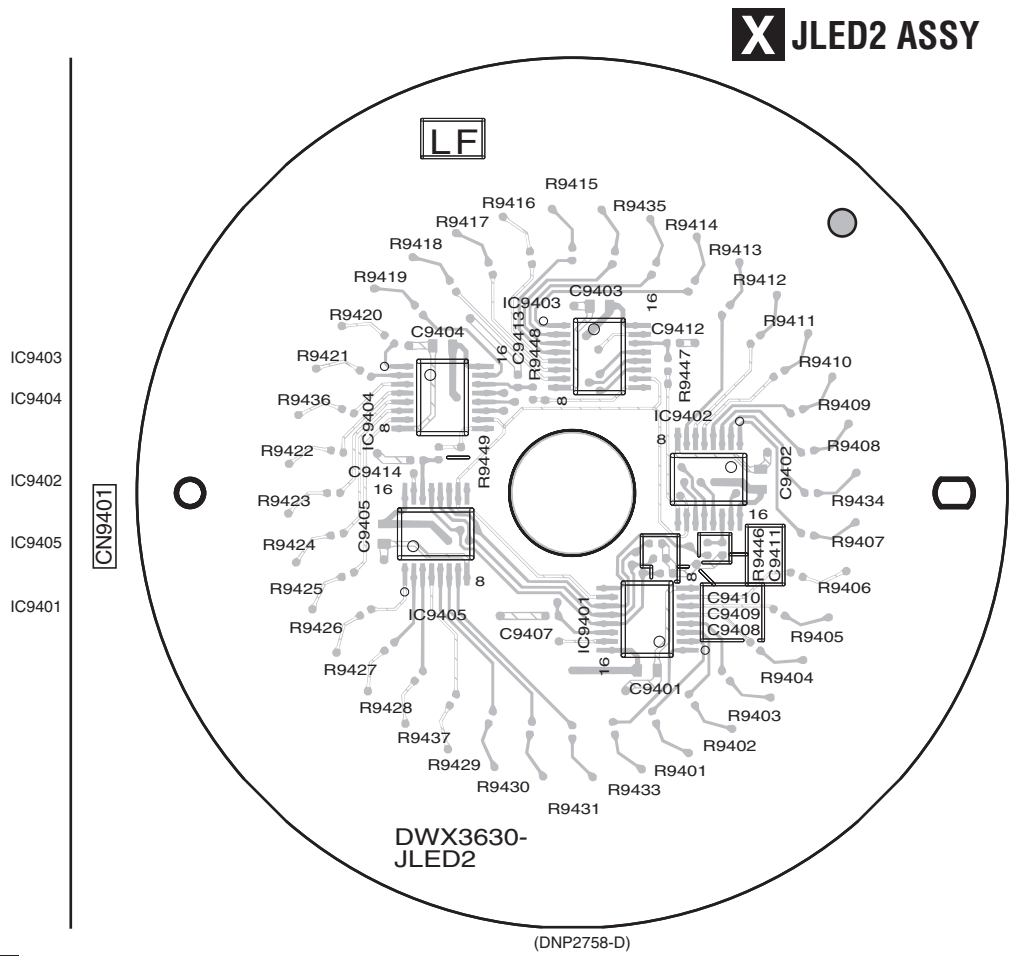
SIDE B





U V X

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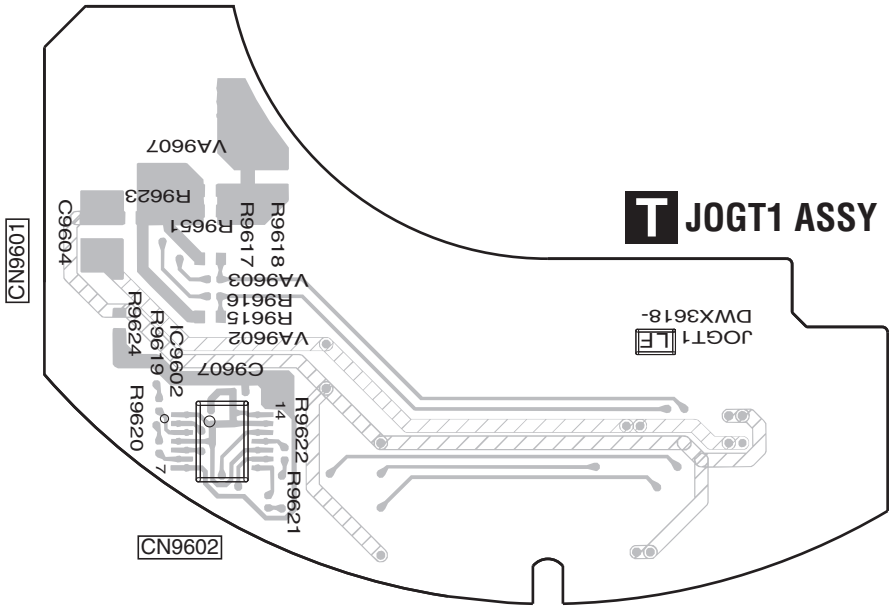
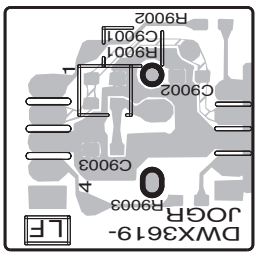
SSY

(DNP2758-D)

T JOGT1 ASSY

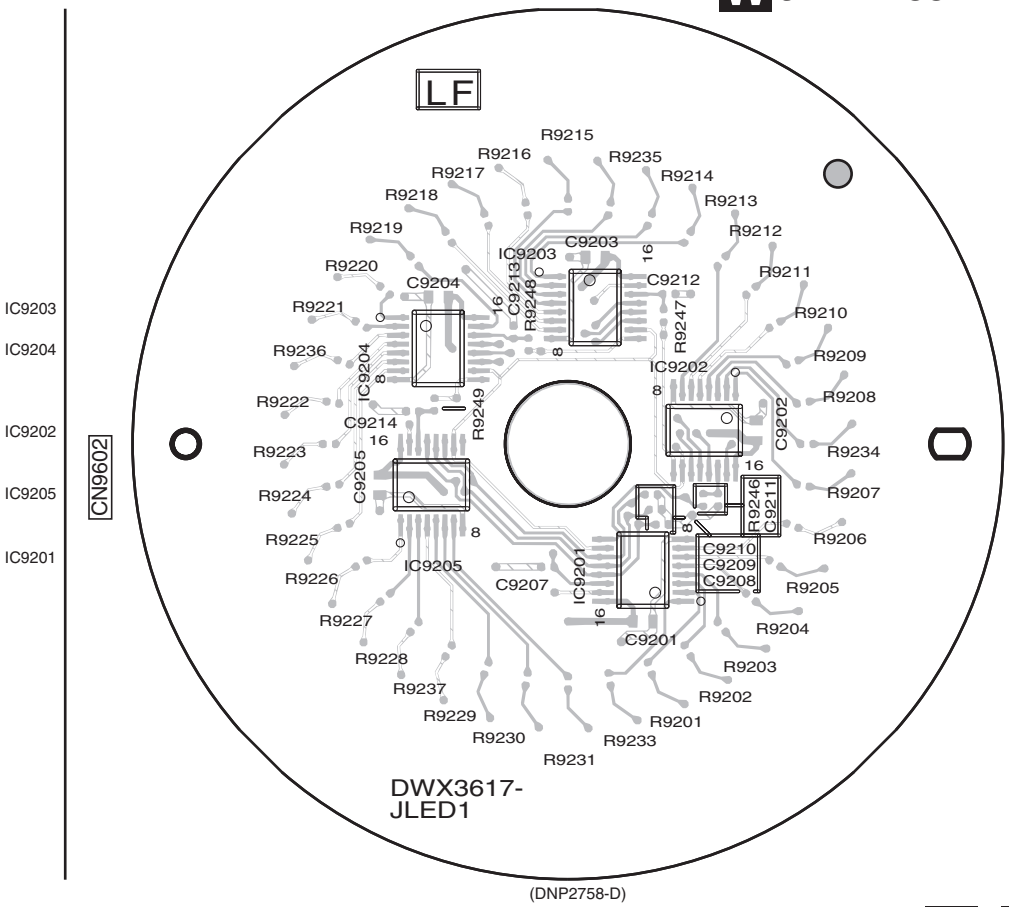


V JOGR1 ASSY



(DNP2756-E)

W JLED1 ASSY



(DNP2758-D)

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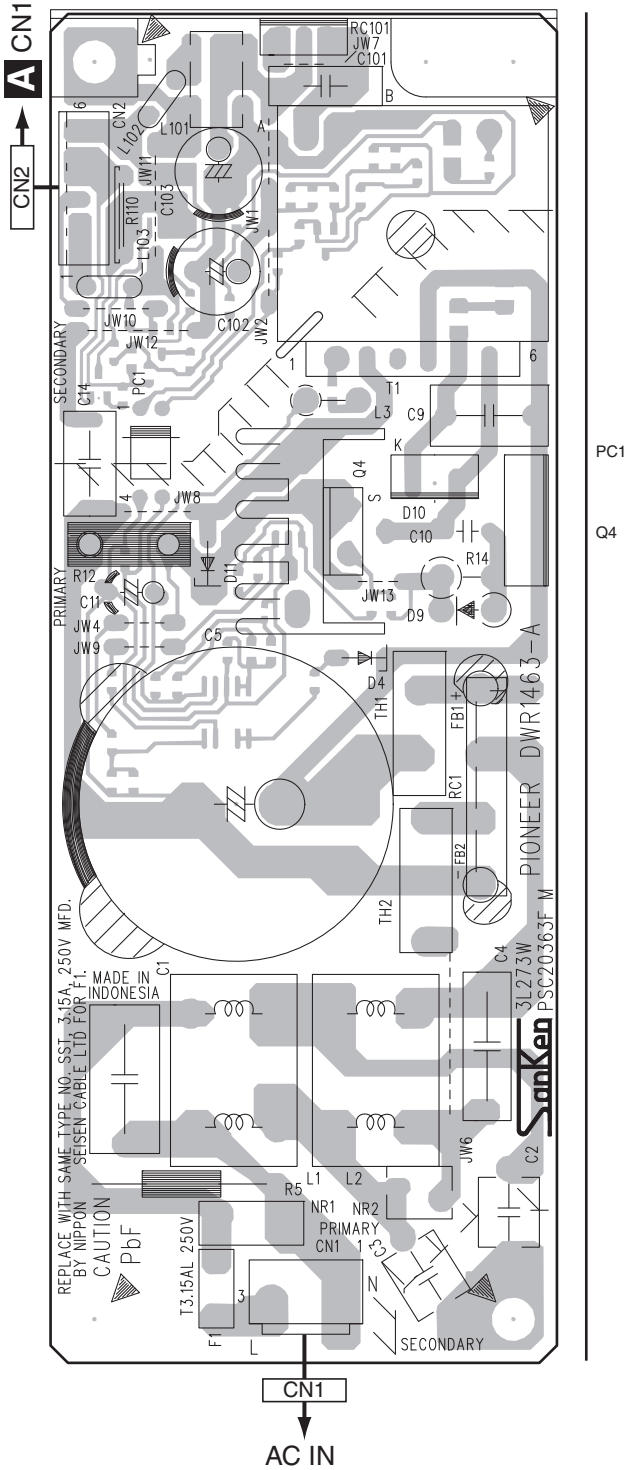
11.8 POWER SUPPLY ASSY

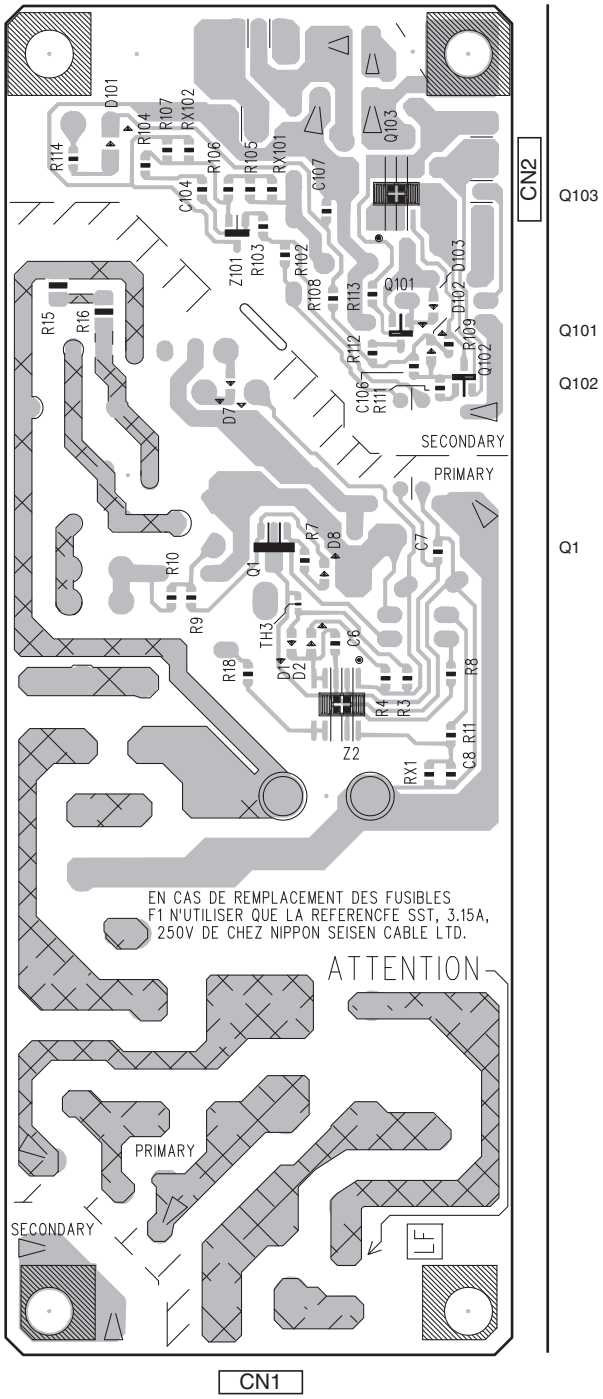
SIDE A

SIDE B

Y POWER SUPPLY ASSY



Y POWER SUPPLY ASSY



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12. PCB PARTS LIST

NOTES: ● *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
● *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
● *When ordering resistors, first convert resistance values into code form as shown in the following examples.*
Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47 k ohm (tolerance is shown by J = 5%, and K = 10%).

560 Ω	→	*56 × 10^1*	→	*561* ····· *RD1/4PU 5 6 1 J*
47 kΩ	→	*47 × 10^3*	→	*473* ····· *RD1/4PU 4 7 3 J*
0.5 Ω	→	*R50*		····· *RN2H R 5 0 K*
1 Ω	→	*1R0*		····· *RS1P 1 R 0 K*

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62 kΩ	→	*562 × 10^1*	→	*5621* ····· *RN1/4PC 5 6 2 1 F*

LIST OF ASSEMBLIES

Mark	No.	Description	Part No.
NSP	1	..EXTA ASSY	DWM2548
	2	..JLED1 ASSY	DWX3617
	2	..JOGT1 ASSY	DWX3618
	2	..USB1 ASSY	DWX3620
	2	..USB2 ASSY	DWX3621
	2	..EXTB ASSY	DWX3622
	2	..JLED2 ASSY	DWX3630
	2	..JOGT2 ASSY	DWX3631
	2	..USBP1 ASSY	DWX3636
	2	..USBP2 ASSY	DWX3637
	2	..LLED ASSY	DWX3638
	2	..HLD1 ASSY	DWX3645
	2	..HLD2 ASSY	DWX3646
NSP	1	..CDJA ASSY	DWM2549
	2	..CDJB ASSY	DWX3614
	2	..JOGR1 ASSY	DWX3619
	2	..CHF1 ASSY	DWX3624
	2	..HLD3 ASSY	DWX3647
NSP	1	..MIXA ASSY	DWM2550
	2	..MIXB ASSY	DWX3613
	2	..MICT ASSY	DWX3623
	2	..CRFB ASSY	DWX3626
NSP	1	..TRMA ASSY	DWM2551
	2	..JACK1 ASSY	DWX3615
	2	..JACK2 ASSY	DWX3616
	2	..PNL1 ASSY	DWX3628
	2	..PNL2 ASSY	DWX3629
	2	..HPJB ASSY	DWX3633
	2	..DPNL1 ASSY	DWX3634
	2	..DPNL2 ASSY	DWX3635
	1	..MAIN ASSY	DWX3590
⚠	1	..POWER SUPPLY ASSY	DWR1463

A MAIN ASSY

SEMICONDUCTORS

Mark	No.	Description	Part No.
⚠	IC	102,105	BD9328EFJ
⚠	IC	401,402	BD9851EFV
⚠	IC	403	NJM2886DL3-05
⚠	IC	602	MMPF0100F0AEP
	IC	1001	MCIMX6U6AVM08AC
	IC	1201,1301	K4B1G1646G-BCK0
	IC	1401	LAN8720A-CP
NSP	IC	1501	DYW1864 (*)

Note (*): first release

	IC	1551	H337S3959
	IC	1801	USB2512B-AEZG-TR
	IC	2201	TC7SZU04FUS1
	IC	2202	TC7WHU04FK
	IC	2203	TC7SZ08FUS1
	IC	7001	AK4382AVT
	IC	7002-7004,7702	NJM4580MD
	IC	7201,7701	AK4387ET
	IC	7202,7401,7402,7601	NJM4565MD
	IC	7405,7406,7602	AK5358AET
	Q	103,1701,1702	LTC024EEB
	Q	301-305,307,309	LSAR523UB
	Q	306,308	LSC4081UB
	Q	310	LTC124EUB
	Q	401	RSR020P05
	Q	402	RTQ045N03
	Q	403,404	RSQ030P03
	Q	1601	RT3T22M
	Q	7001,7002	LTA114EUB
	Q	7003-7010	INC2002AC1
	Q	7019,7020	LSCR523UB
	Q	7022	LSAR523UB
	Q	7201,7206	IMX25
	Q	7202,7204	2SD1767
	Q	7203,7205	2SB1189
	D	401-405	DB2J41100
	D	409,410	RB501VM-40
	D	601	RB160M-60
	D	7201,7202	DA2J101
	D	7401-7404,7601,7602	DAN217UM

MISCELLANEOUS

	L	101 SMD SPL INDUCTOR	CTH1524
	L	106 INDUCTOR	CTH1253
	L	401,402,405 POWER INDUCTOR	ATH7011
	L	403,404 CHIP SOLID INDUCTOR	XTL3010
	L	406 POWER INDUCTOR	ATH7011
	L	407,408 CHIP SOLID INDUCTOR	XTL3010
	L	601-608 SMD SPL INDUCTOR	CTH1530
	L	1501 INDUCTOR	CTF1629

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Mark	No.	Description	Part No.
	L	1601 INDUCTOR	CTF1713
	F	1401 EMI FILTER	CCG1352
	F	1402 EMI FILTER	DTL1106
	JA	1401 RJ45 CONNECTOR	AKN7115
	JA	1601 USB CONNECTOR	DKN1237
	KN	401-403 WRAPPING TERMINAL	CKF1089
	X	1801,2203 RESONATOR (24 MHz)	CSS1808
	X	2201 RESONATOR (32.768 kHz)	CSS1807
	X	2202 CRYSTAL(22.579 2MHz)	DSS1202
	CN	101 XH CONNECTOR (6P)	DKN1599
	CN	1801,1802 CONNECTOR	AKM1282
	CN	2401 FFC/FPC CONNECTOR	DKP3953
	CN	2402 35P CONNECTOR	VKN1439
	CN	2403 31P CONNECTOR	VKN1435
	CN	2404 23P CONNECTOR	VKN1427
	CN	7201 CONNECTOR	AKM1277
⚠	P	101 PROTECTOR (0.500 A)	DEK1120
	VA	1601,1602 SMD VARISTOR	EZJZ0V80010

RESISTORS

	R	101,103,423,424	RS1/4SA0R0J
	R	113,114	RS1/16SS1502D
	R	115	RS1/16SS8201D
	R	117	RS1/4SA561J
	R	128,411,413	RS1/10SR220J
	R	129,402,406,418	RS1/10SR1002D
	R	130	RS1/10SR4702D
	R	131	RS1/10SR8200D
	R	133	RS1/10SR683J
	R	135,412,436	RS1/10SR472J
	R	307,7070-7073	RS1/10SR223J
	R	308,440	RS1/10SR103J
	R	311,316	RS1/10SR333J
	R	312,317,1809,1816	RS1/10SR473J
	R	313,318,321	RS1/10SR332J
	R	319	RS1/10SR562J
	R	323	RS1/10SR272J
	R	324	RS1/10SR682J
	R	325,450,607,615	RS1/10SR0R0J
	R	401,410,425	RS1/10SR1502D
	R	403,414,427,438	RS1/10SR3002D
	R	404,417,428,441	RS1/10SR6802D
	R	405	RS1/10SR1503D
	R	407,421,7714,7715	RS1/10SR5101D
	R	415,439	RS1/10SR105J
	R	416,7038-7045	RS1/10SR6201D
	R	420	RS1/10SR1203D
	R	422	RS1/10SR2002D
	R	426,434,443	RS1/10SR1002D
	R	429	RS1/10SR5102D
	R	430,7054-7061,7710	RS1/10SR5601D
	R	433	RS1/10SR123J
	R	435,437,7205,7709	RS1/10SR100J
	R	444	RS1/10SR6202D
	R	446,448,449,456	RS1/4SA0R0J
	R	447	RS1/10SR3001D
	R	451-454,1810,1820	RS1/8SQ0R0J
	R	457,606,623-628	RS1/4SA0R0J
	R	605,617	RS1/16SS1002F
	R	609,610,1801,1802	RS1/10SR470J
	R	611,614	RS1/16SS6802F
	R	618,633,634,1007	RS1/10SR0R0J
	R	631,632,7243,7254	RS1/4SA0R0J
	R	1008,1205,1302	RS1/16SS2400F
	R	1203,1204,7217,7218	RS1/10SR102J
	R	1206,1303	RS1/16SS1000D
	R	1414,1422	RAB4CQ680J
	R	1443	RS1/16SS1002D
	R	1444	RS1/16SS1501F
	R	1445-1448	RS1/10SR49R9F
	R	1449-1456,1551,1615	RS1/10SR0R0J
	R	1503,1504	RAB4CQ220J
	R	1622-1624,1821,1822	RS1/10SR0R0J
	R	1715,1716	RAB4CQ470J
	R	1818	RS1/16SS1202F
	R	1824,1826	RS1/8SQ0R0J
	R	1825,1827,1828,1830	RS1/10SR0R0J
	R	2026-2029	RAB4CQ472J
	R	2031,2036,2041,2046	RAB4CQ103J
	R	2209,2212,7017,7094	RS1/10SR0R0J
	R	7009,7010,7421-7424	RS1/10SR1001D
	R	7011,7012	RS1/10SR1202D
	R	7013,7014	RN1/16SE2702D
	R	7015,7016	RS1/10SR1500D
	R	7018,7019,7028,7029	RS1/10SR513J
	R	7020-7027,7215,7216	RS1/10SR6801D
	R	7030-7037,7046-7053	RN1/16SE6802D
	R	7062-7069,7074-7081	RS1/8SQ1800F
	R	7082-7085	RS1/10SR223J
	R	7086-7089	RS1/8SQ2200F
	R	7090-7093	RS1/10SR1002D
	R	7095,7122,7127,7129	RS1/10SR0R0J
	R	7130,7135,7248-7250	RS1/10SR0R0J
	R	7207,7208	RS1/10SR104J
	R	7209,7210,7401-7404	RS1/10SR3301D
	R	7211,7212,7417-7420	RS1/10SR4701D
	R	7213,7214	RS1/10SR2201D
	R	7224,7228	RS1/8SQ680J
	R	7405-7408	RS1/10SR3601D
	R	7427,7428,7445-7448	RS1/10SR0R0J
	R	7453-7456,7609,7610	RS1/10SR0R0J
	R	7601,7602	RS1/10SR1003D
	R	7603,7604	RS1/10SR3900D
	R	7605,7606	RN1/16SE1001D
	R	7607,7608	RS1/10SR2200D
	R	7614,7620-7623	RS1/10SR0R0J
	R	7711	RS1/10SR5601D
	R	7712,7713,7716,7717	RN1/16SE7502D
	R	7718,7719	RS1/10SR4701D
	R	7752-7754	RS1/10SR0R0J
	Other Resistors		RS1/16SS###J

CAPACITORS

	C	101,120	CFHXSP104J16
	C	102,422,426	CCG1236
	C	103,121	CFHXSQ103J16
	C	104,301-303,305	CKSSYB104K16
	C	106,304,307,421	CKSRYB104K25
	C	108,408,413,439	DCH1263

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Mark	No.	Description	Part No.
C	109,419,451		CKSSYB682K25
C	111,130,306		CKSRYB104K16
C	114,610,1021,1208		DCH1201
C	115		ACH7275
C	116,613,1039,1207		CKSSYB104K10
C	117,1406,1703-1708		CKSSYB103K16
C	118,458,461,1502		CCSSCH102J50
C	119,479,480,7008		CKSSYB102K50
C	123,142		CCH1680
C	124,143		CFHXSQ472J16
C	128,129,134		CCG1221
C	131,7227,7704		CCSRCH102J50
C	132,133,7405-7408		CKSRYB104K50
C	135		CKSRYB222K50
C	139,7437		CCH1565
C	140		CKSSYB103K25
C	308-311,627,629		CKSRYB104K16
C	401,411,415,416		CKSRYB105K16
C	403,423		CCSSCH271J50
C	405		CKSSYB332K50
C	410		CCSSCH221J50
C	414,445		CKSYB105K16
C	424,473,474,7005		CKSRYB104K25
C	432,442,446,447		CKSRYB105K16
C	435		CKSSYB472K50
C	441		CCSSCH561J50
C	444		DCH1263
C	452,455,606,609		CKSSYB104K16
C	453,457		CCG1192
C	456,460,604,607		CKSRYB105K10
C	459,462,481,482		CEVW101M25
C	463		CKSRYB334K10
C	466		CCG1218
C	475,476		CKSQYB105K25
C	477,478		CKSRYB103K50
C	602,612,614,617		CKSQYB475K10
C	605,615,635,643		CKSRYB474K10
C	608		CKSRYB224K16
C	611,624,1209,1210		CKSRYB105K10
C	616,618,620,621		CKSSYB104K16
C	619,622,623,626		CKSQYB475K10
C	625,634,637,7001		CKSSYB104K16
C	628,630-633,636		DCH1256
C	638,639,641,642		DCH1256
C	640,644-648		CKSQYB475K10
C	649-652,1001,1010		DCH1256
C	1002-1009,1011-1013		CKSSYB224K6R3
C	1014,1018,1027,1033		DCH1256
C	1015-1017,1019,1020		CKSSYB224K6R3
C	1022-1026,1028-1032		CKSSYB224K6R3
C	1034-1038,1040,1042		CKSSYB224K6R3
C	1041,1043,1047,1049		DCH1256
C	1044-1046,1048		CKSSYB224K6R3
C	1050-1054,1201-1206		CKSSYB224K6R3
C	1211,1212,1307,1402		CKSSYB104K10
C	1213-1218,1301-1306		CKSSYB224K6R3
C	1308,1401,1403,1601		DCH1201
C	1309-1314,1501		CKSSYB224K6R3
C	1404,1812,1813		CKSRYB105K10

Mark	No.	Description	Part No.
C	1405		CKSSYB471K50
C	1407		CKSQYB475K6R3
C	1408,1409,1551,1602		CKSSYB104K10
C	1414		CKSRYB223K50
C	1503,1816,1817		CCSSCH102J50
C	1552		CKSSYB222K50
C	1603,1604,2001,2002		CCSSCH470J50
C	1701,1702,1803,1805		CKSSYB104K10
C	1801,7203		CKSSYB103K16
C	1802		DCH1201
C	1804		CCG1201
C	1806,1808-1811,1815		CKSSYB104K10
C	1807,2202		CCSSCH120J50
C	1814		CCSSCH150J50
C	2201,2203,2209,7009		CKSSYB104K10
C	2204,2205,2207		CCSSCH100D50
C	2206,2208		CCSSCH5R0C50
C	2402-2407,7204		CCSSCH102J50
C	7004,7007,7060,7066		DCH1341
C	7006,7033,7036,7603		CKSRYB104K25
C	7014		CCH2090
C	7017-7020		CCSRCH821J50
C	7021-7024		CCSRCH221J50
C	7025-7032		CCSRCH200J50
C	7201,7205,7429,7430		CKSSYB104K10
C	7202,7702		CEVW220M6R3
C	7206		CKSRYB104K16
C	7208,7213,7216,7223		CEVW101M16
C	7209,7210		CCSRCH331J50
C	7214,7215		CCSRCH101J50
C	7220,7447,7448,7617		CKSSYB104K16
C	7224,7431-7435,7709		CEVW101M16
C	7228,7705		CKSRYB103K25
C	7418,7419,7422,7457		CEVW101M25
C	7436		CEVW470M16
C	7438		DCH1242
C	7439-7442,7608,7612		CKSSYB104K10
C	7445,7446,7613		CEVW470M6R3
C	7601,7602,7609,7610		CEVW220M16
C	7604,7720,7721		CKSRYB104K25
C	7614,7703,7708		CKSSYB104K10
C	7618,7619,7706,7707		CEVW101M25
C	7701		CKSSYB104K16
C	7712,7713,7722,7723		CEVW470M25
C	7714,7715		CCSRCH471J50
C	7718,7719		CCSRCH180J50

B JACK1 ASSY

SEMICONDUCTORS

IC	5001		NJM4580MD
IC	5101,5102		NJM2121MD
Q	5001,5002		2SK209
Q	5101		RT1N241M
D	5001-5004		UDZS15
D	5005		DZ2S180C

MISCELLANEOUS

L	5001,5002	INDUCTOR	CTF1389
L	5003,5004	INDUCTOR	CTF1630

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Mark	No.	Description	Part No.
	JA 5001	CANON CONNECTOR	DKB1108
	JA 5002	6.5 DIA JACK	DKN1653
	JA 5101	JACK	XKB3062
	S 5101	SLIDE SWITCH	DSH1025
	CN 5001	PLUG (6P)	KM200NA6
	CN 5101	23P CONNECTOR	VKN1254
	VA 5001,5002,5101,5102	VARISTORS	EZJZ1V270RM
	1002	MIC SHIELD	DNF1849
	1003-1005	PHONE SHIELD	DNF1875
	1006	SHIELD CASE/MIC	DNH3200
	1007	SHIELD CASE/PH1	DNH3196

RESISTORS

R 5001-5003		RN1/16SE2200D
R 5009,5010,5024		RN1/16SE1002D
R 5012,5023		RN1/16SE3301D
R 5014,5019		RN1/16SE6801D
R 5015,5018		RN1/16SE1501D
R 5016		RN1/16SE8200D
R 5017		RN1/16SE9101D
R 5020		RS1/10SR1500D
R 5021		RN1/16SE1003D
R 5022		RS1/10SR1201D
R 5025,5026,5106,5108		RS1/10SR1003D
R 5101,5102		RS1/10SR2701D
R 5104,5105		RS1/10SR1000D
R 5109,5110		RS1/10SR9102D
R 5114,5115		RS1/10SR5100D
R 5117,5118		RS1/10SR2703D
R 5120,5121		RS1/10SR2202D
Other Resistors		RS1/10SR###J

CAPACITORS

C 5001,5002,5030,5034		CCSRCH221J50
C 5003,5004		CCSRCH561J50
C 5007,5008,5016,5103		CKSRYB103K50
C 5011		CKSRYB471K50
C 5012,5014,5019,5020		CCSRCH471J50
C 5013		CCSRCH222J50
C 5015,5025,5026,5108		CEAT101M16
C 5017,5113,5115		CCSRCH331J50
C 5018		CKSRYB331K50
C 5021,5024		CEAT101M25
C 5022,5023,5031-5033		CKSRYB104K25
C 5035,5037		CCSRCH221J50
C 5036,5038-5040,5127		CKSRYB104K25
C 5101,5102		ACE7125
C 5104-5107,5141		CCSRCH102J50
C 5109		CEAT101M16
C 5110,5111		CEAL101M16
C 5124,5125		DCG1049
C 5128,5140,5142,5143		CKSRYB104K25
C 5129,5130		CEAL101M25

C JACK2 ASSY

SEMICONDUCTORS

IC 5201,5202		NJM2121MD
IC 5301,5302		NJM4580D
IC 5401,5402		NJM4580MD
Q 5201		RT1N241M
Q 5301-5312,5401-5404		INC2002AC1
Q 5405-5408		2SK209
Q 5409-5416		INC2002AC1
D 5301-5304,5402-5405		DZ2S180C
D 5401		DA2J101

MISCELLANEOUS

L 5306	INDUCTOR	CTF1389
JA 5201	JACK	XKB3062
JA 5301,5302	CANON CONNECTOR	DKB1093
JA 5303	JACK	DKB1103
JA 5401,5402	6.5 DIA JACK	DKN1653
S 5201	SLIDE SWITCH	DSH1025
CN 5201	31P CONNECTOR	VKN1262
P 5301,5302	PROTECTOR (1 A)	AEK1073
VA 5202,5203	VARISTORS	EZJZ1V270RM
1001	CANON SHIELD	DNF1789
1003-1005	PHONE SHIELD	DNF1875
1008	SHIELD CASE	DNH3206

RESISTORS

R 5202,5203		RS1/10SR2701D
R 5204,5205		RS1/10SR1000D
R 5206,5207		RS1/10SR1003D
R 5208,5209		RS1/10SR9102D
R 5214,5215		RS1/10SR5100D
R 5217,5218		RS1/10SR2703D
R 5220,5221		RS1/10SR2202D
R 5307-5310		RD1/2VM100J
R 5313-5320		RS1/10SR5601D
R 5321-5328		RN1/16SE6801D
R 5329-5332		RD1/2VM221J
R 5333-5336		RS1/10SR2201D
R 5341,5342,5345,5346		RD1/2VM330J
R 5349,5350		RS1/10SR1500D
R 5402-5409		RS1/10SR3301D
R 5414-5421		RN1/16SE1102D
R 5422-5425		RS1/4SA221J
R 5426-5429		RS1/10SR1001D
R 5440,5441,5444,5445		RS1/4SA560J
Other Resistors		RS1/10SR###J

CAPACITORS

C 5201		CKSRYB103K50
C 5202,5203		ACE7125
C 5204-5207,5232		CCSRCH102J50
C 5208,5209,5307,5308		CEAT101M16
C 5210,5211		CEAL101M16
C 5213,5215		CCSRCH331J50
C 5224,5225		DCG1049
C 5227,5228,5231,5234		CKSRYB104K25
C 5229,5230		CEAL101M25
C 5235,5237,5238,5331		CKSRYB104K25
C 5301-5304		DCE1018
C 5305,5306,5428-5431		DCE1017
C 5313,5314,5320,5321		CCSRCH101J50
C 5315,5322,5432,5433		CEHAZL101M25
C 5323-5326,5340,5341		CCSRCH101J50
C 5327-5330		ACH1480
C 5332,5434,5435		CKSRYB104K25
C 5333-5336		CCSRCH222J50
C 5337		CKSQYB105K25
C 5402-5405		CCSRCH471J50

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Mark	No.	Description	Part No.
	C	5406-5409,5414-5417	CCSRCH330J50
	C	5418-5421	CEAT101M16

D HPJB ASSY

SEMICONDUCTORS

	Q	5901,5902	INC2002AC1

MISCELLANEOUS

	L	5902,5903	INDUCTOR CTF1629
	JA	5901	HEADPHONE JACK DKN1622
	JA	5902	STEREO MINI JACK XKN3017
	KN	5902	SCREW PLATE VNE1948
	JP	5901	CONNECTOR ASS'Y PF06PG-S42
	VA	5901,5902	VARISTORS EZJZ1V270RM

RESISTORS

	R	5901-5904,5909,5910	RS1/4SA101J
	Other Resistors		RS1/10SR###J

CAPACITORS

	C	5901-5904	CKSRYB104K50
	C	5907,5908	CKSRYB103K50
	C	5909,5910	DCH1344

E MICT ASSY

MISCELLANEOUS

	CN	5081	PLUG (6P) KM200NA6

RESISTORS

	VR	5081,5082	ROTARY VR DCS1071

F USB1 ASSY

MISCELLANEOUS

	L	8001	INDUCTOR CTF1713
	JA	8001	USB JACK DKN1658
	CN	8001	CONNECTOR AKM1276
	CN	8002	CONNECTOR AKM1275
	VA	8001-8004	SMD VARISTOR EZJZ1V80010

RESISTORS

	R	8001-8003	RS1/10SR0R0J
	Other Resistors		RS1/8SQ###J

CAPACITORS

	C	8001	CKSSYB103K16
	C	8003	CCSSCH102J50

G USB2 ASSY

MISCELLANEOUS

	L	8201	COIL ATH7015
	JA	8201	USB JACK DKN1658
	CN	8201	CONNECTOR AKM1276
	CN	8202	CONNECTOR AKM1275
	VA	8201-8204	SMD VARISTOR EZJZ1V80010

RESISTORS

	R	8201-8203	RS1/10SR0R0J
	Other Resistors		RS1/8SQ###J

Mark	No.	Description	Part No.

CAPACITORS

	C	8201	CKSSYB103K16
	C	8203	CCSSCH102J50

H USBP1 ASSY

SEMICONDUCTORS

	IC	8101	BD9328EFJ
	IC	8102	TPS2557DRB
	Q	8101	RN1903

MISCELLANEOUS

	L	8101	INDUCTOR CTH1253
	CN	8101	CONNECTOR AKM1292
	CN	8102	CONNECTOR AKM1290

RESISTORS

	R	8107	RS1/16SS8202F
	R	8111	RS1/10SR4702D
	R	8115	RS1/10SR1100D
	R	8116	RS1/16SS2001F
	R	8118	RS1/10SR1002D
	R	8119	RS1/16SS101J
	R	8120	RS1/16SS103J
	Other Resistors		RS1/10SR###J

CAPACITORS

	C	8101,8103	CCH1565
	C	8102,8104	CKSSYB104K10
	C	8105,8106,8109,8110	CCG1221
	C	8107	CEVW331M6R3
	C	8108	DCH1201
	C	8111	CKSRYB103K50
	C	8113,8114	CKSRYB104K50
	C	8115	CKSRYB104K16
	C	8116	CCSRCH102J50

I USBP2 ASSY

SEMICONDUCTORS

	IC	8301	BD9328EFJ
	IC	8302	TPS2557DRB
	Q	8301	RN1903

MISCELLANEOUS

	L	8301	INDUCTOR CTH1253
	CN	8301	CONNECTOR AKM1292
	CN	8302	CONNECTOR AKM1290

RESISTORS

	R	8305	RS1/16SS8202F
	R	8309	RS1/10SR4702D
	R	8313	RS1/10SR1100D
	R	8314	RS1/16SS2001F
	R	8316	RS1/10SR1002D
	R	8317	RS1/16SS101J
	R	8318	RS1/16SS103J
	Other Resistors		RS1/10SR###J

CAPACITORS

	C	8301,8303	CKSSYB104K10
	C	8302,8316	CCH1565
	C	8304,8305,8308,8309	CCG1221
	C	8306	CEVW331M6R3
	C	8307	DCH1201

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Mark	No.	Description	Part No.
	C	8310	CKSRYB103K50
	C	8312,8313	CKSRYB104K50
	C	8314	CKSRYB104K16
	C	8315	CCSRCH102J50

J EXTB ASSY

SEMICONDUCTORS

	IC	8401	BU90R104
	IC	8601	R1290K103A
	IC	8701	BD81A04EFV-M
	IC	8801-8803	TC74LCX541FK
	Q	8601	2SA1577
	Q	8701	LTC024EEB
	Q	8702	LTA024EEB
	D	8601-8603	DB3S308F0
	D	8604	DB2J41100
	D	8701	RB060M-30

MISCELLANEOUS

	L	8401,8805	CHIP BEEDS FILTER BTX1042
	L	8402	CHIP BEEDS FILTER BTX1047
	L	8403,8404	CHIP SOLID INDUCTOR XTL3010
	L	8422,8806,8807	CHIP BEADS VTL1126
	L	8602	CHOKE COIL CTH1426
	L	8702	INDUCTOR CTF1545
	L	8703	POWER INDUCTOR ATH7068
	L	8801	INDUCTOR CTF1635
	L	8802,8804	CHIP INDUCTOR (10 U) DTL1105
	L	8803	INDUCTOR LCTAW101J2520
	L	8809-8826	CHIP BEADS VTL1126
	CN	8401	FFC/FPC CONNECTOR DKP3953
	CN	8402	11P CONNECTOR VKN1415
	CN	8403	5P CONNECTOR VKN1374
	CN	8701	CONNECTOR CKS4428
	CN	8801	FFC/FPC CONNECTOR CKS6646

RESISTORS

	R	8401-8405	RS1/16SS1000D
	R	8603	RS1/16SS3603D
	R	8604	RS1/16SS6802D
	R	8605	RS1/16SS3901D
	R	8610,8616	RS1/16SS1502D
	R	8612	RS1/16SS1103D
	R	8613	RS1/16SS1002D
	R	8615	RS1/16SS8201D
	R	8618,8829,8865-8867	RS1/10SR0R0J
	R	8619	RS1/16SS3303D
	R	8620	RS1/16SS5601D
	R	8621	RS1/16SS3902D
	R	8709	RS1/16SS5100F
	R	8712	RS1/16SS3302D
	R	8713	RS1/16SS2202D
	R	8717	RS1/16SS1203D
	R	8718	RS1/16SS1602D
	R	8801,8815	RS1/16SS39R0D
	R	8803,8819	RS1/16SS47R0D
	R	8807,8816	RS1/16SS75R0F
	R	8813,8817	RS1/16SS1300D
	R	8814	RS1/16SS51R0D
	R	8818,8822	RS1/16SS82R0D
	R	8820	RS1/16SS56R0D
	R	8821	RS1/16SS1800D
	R	8823	RS1/16SS1001D
	R	8825	RS1/16SS8200D
	R	8889-8897	RS1/10SR0R0J
	R	8898-8903	RS1/10SR1R0J
	Other Resistors		RS1/16SS###J

CAPACITORS

	C	8401	DCH1201
	C	8403,8405,8406,8409	CKSSYB103K16
	C	8404,8407,8408,8412	CKSSYB104K10
	C	8410	CKSRYB225K6R3
	C	8411,8414,8416,8620	CKSSYB103K16
	C	8413,8415,8704,8706	CKSSYB104K10
	C	8602,8618,8625,8823	CKSSYB102K50
	C	8603	CKSRYB105K16
	C	8604,8614,8844	CKSSYB105K6R3
	C	8606,8607	CKSQYB105K25
	C	8608	CKSQYB475K6R3
	C	8610,8841	CKSRYB104K50
	C	8611,8612	CKSQYB474K25
	C	8613,8622,8812-8814	CKSSYB104K16
	C	8616	CKSSYB224K6R3
	C	8617,8811	CKSYB475K16
	C	8619	CKSSYB561K50
	C	8621,8712	CKSSYB332K50
	C	8623,8624,8702,8708	CCG1236
	C	8701	CKSRYB224K16
	C	8705,8707	CCH2090
	C	8709	CCG1218
	C	8710,8711,8713,8714	CCG1236
	C	8715,8718,8719	CCG1254
	C	8815,8816	CKSRYB105K10
	C	8817-8819,8828	CKSSYB104K10
	C	8820	DCH1246
	C	8824,8833	CCG1236
	C	8825	CCG1234
	C	8827,8839,8840	CKSSYB104K16
	C	8830,8831	CKSSYB102K50
	C	8834	CKSQYB225K16
	C	8835	CKSSYB103K25
	C	8837	CCG1201
	C	8838	CKSQYB334K50
	C	8845-8849,8851,8854	CCSSCH102J50
	C	8855-8857	CKSSYB104K16

K DPNL1 ASSY

SEMICONDUCTORS

	Q	5601,5603,5604,5606	LSAR523UB
	Q	5602,5605,5608,5611	LTC123JUB
	Q	5607,5609,5610,5612	LSAR523UB
	D	5601,5602	SLR343WBC7T
	D	5603,5604	SLI-343YYW
	D	5605-5608	SLI-343M8G

MISCELLANEOUS

	S	5601-5604	TACT SWITCH DSG1089
	CN	5601	11P CONNECTOR VKN1242

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Mark	No.	Description	Part No.
RESISTORS			
		All Resistors	RS1/10SR###J
CAPACITORS			
	C	5605	CEAT101M16
	C	5606	CKSRYB104K16

L DPNL2 ASSY

Mark	No.	Description	Part No.
MISCELLANEOUS			
	S	5801-5803 TACT SWITCH	DSG1089
	CN	5801 5P CONNECTOR	VKN1236
RESISTORS			
		All Resistors	RS1/10SR###J

M MIXB ASSY

Mark	No.	Description	Part No.
SEMICONDUCTORS			
	IC	3001	TC74VHC164F
	IC	3002	TC74VHC595F
	IC	3201,3202	TC74HC4052AF
	IC	3601	DYW1857
	IC	3602	S-80927CNMC-G8X
	IC	3603	NJM2392M
	Q	3001,3005,3011,3017	LTC124EUB
	Q	3002,3006,3012,3022	2SA1577
	Q	3003,3004,3007-3010	LSAR523UB
	Q	3013-3016,3019,3020	LSAR523UB
	Q	3018,3029	ISA1602AM1
	Q	3021,3025-3028,3030	LTC124EUB
	Q	3023,3024	2SC4154-11
	Q	3031	2SA1577
	Q	3601	RT1N431M
	D	3001-3003,3007,3009	SLI-343M8G
	D	3004,3010,3018,3029	SLR343BD2T
	D	3005,3008,3012-3014	DA2J101
	D	3006,3015,3025,3030	SLI-343YYW
	D	3011,3019	SLR343WBC7T
	D	3016,3017,3026,3028	SLI-343M8G
	D	3020-3024,3027	DA2J101
	D	3031-3038,3040,3041	DA2J101
	D	3201-3204	DA2J101
	D	3601	EP05Q06
MISCELLANEOUS			
	L	3601 CHIP COIL	LCTAW330J2520
	L	3602 RAD SPL INDUCTOR	DTH1212
	L	3603 INDUCTOR	CTF1629
	S	3001 12MM GS ENCODER	DSX1064
	S	3002 ENCODER SW	DSX1080
	S	3003,3010 SLIDE SWITCH	DSH1066
	S	3004-3009,3013-3020 TACT SWITCH	DSG1089
	S	3011 SLIDE SWITCH	DSH1058
	S	3012,3021 TACT SWITCH	DSG1079
	S	3022,3023 TACT SWITCH	DSG1089
	S	3201 ROTARY SWITCH	DSG1098
	S	3202 ROTARY SWITCH	DSG1131
	X	3601 CERAMIC RESONATOR	DSS1147
	CN	3401,3402 39P CONNECTOR	VKN2097
	CN	3403 35P CONNECTOR	VKN2025
	CN	3404 19P CONNECTOR	VKN1250
	JP	3201,3203 CONNECTOR ASSY	PF03PG-Q07
	JP	3202 CONNECTOR ASS'Y	PF04PG-Q05
RESISTORS			
	VR	3201,3202,3206 ROTARY VR	DCS1104
	VR	3203-3205,3207-3211 ROTARY VR	DCS1078
	VR	3212,3213 ROTARY VR	DCS1126
	R	3697	RS1/4SA1R0J
	R	3698	RS1/10SR3301D
	R	3699	RS1/10SR3302D
	R	3700	RS1/10SR2202D
		Other Resistors	RS1/10SR###J
CAPACITORS			
	C	3005,3006,3208,3209	CKSRYB104K16
	C	3010,3011	CCSRCH471J50
	C	3013-3016,3641	CCSRCH221J50
	C	3201-3207,3214-3219	CKSRYB471K50
	C	3220-3231,3236-3240	CKSRYB104K16
	C	3401,3403,3405,3407	CEJQ101M16
	C	3402,3404,3406,3408	CKSRYB104K16
	C	3409,3411,3414,3416	CEJQ101M16
	C	3410,3412,3413,3415	CKSRYB104K16
	C	3601,3602	CEJQ470M16
	C	3604,3639,3642	CEJQ101M16
	C	3605,3612,3625,3629	CKSRYB104K16
	C	3606-3611,3613	CKSRYB471K50
	C	3614,3627,3646,3647	CCSRCH470J50
	C	3615-3617,3619,3620	CKSRYB471K50
	C	3621,3637	CKSRYB103K16
	C	3622-3624,3628,3630	CKSRYB471K50
	C	3631	CKSRYB104K16
	C	3632-3635,3645,3648	CKSRYB471K50
	C	3636	CKSRYB222K50
	C	3638	DCH1165
	C	3640	CCSRCH560J50
	C	3643,3644	DCH1201
	C	3650,3651,3659,3660	CKSRYB471K50
	C	3666	CKSRYB471K50

N CRFB ASSY

Mark	No.	Description	Part No.
MISCELLANEOUS			
	CN	3801 L-PLUG (4P)	KM200NA4L
RESISTORS			
	VR	3801 VARIABLE RESISTOR	DCV1023
CAPACITORS			
	C	3801	CKSRYB104K50
	C	3802	CKSRYB103K50

O CHF1 ASSY

Mark	No.	Description	Part No.
MISCELLANEOUS			
	CN	3601 L-PLUG (3P)	KM200NA3L
RESISTORS			
	VR	3601 SLIDE VR	DCV1027

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Mark	No.	Description	Part No.
P		**LLED ASSY**	
		SEMICONDUCTORS	
	IC	3501	74VHC164FT
	IC	3502	74VHC595FT
	Q	3501,3506,3515	RN1903
	Q	3502,3505	LTC124EUB
	Q	3503,3504,3507,3509	2SA1577
	Q	3516-3518,3520-3524	LSCR523UB
	Q	3519	2SA1577
	D	3501-3503	SML-D12V8W
	D	3504,3506,3508	SML-D12Y8W
	D	3505,3507,3509	SML-D12M8W(NP)
	D	3510-3512,3519-3524	SML-D12Y8W
	D	3513-3518,3525-3536	SML-D12M8W(NP)
		MISCELLANEOUS	
	CN	3501 CONNECTOR	CKS5854
		RESISTORS	
	R	3503,3505,3517,3523	RS1/16SS103J
	R	3506,3524,3560	RS1/16SS563J
	R	3531-3533,3537-3540	RS1/16SS101J
	R	3544,3572,3578-3586	RS1/16SS101J
	R	3545,3587	RS1/16SS472J
	R	3559	RS1/16SS103J
	R	3588-3591	RS1/16SS101J
	R	3592,3593	RS1/16SS0R0J
		Other Resistors	RS1/10SR###J
		CAPACITORS	
	C	3501,3502	CKSSYB104K16
	C	3503	CCSSCH102J50
	C	3504-3506	CCSSCH221J50
	C	3507,3508	CCSSCH471J16
Q		**CDJB ASSY**	
		SEMICONDUCTORS	
	IC	4001	TC74HC4052AF
	IC	4002	TC74VHC164F
	Q	4001-4004,4006,4008	LTC124EUB
	Q	4005,4007,4009,4011	2SA1577
	Q	4010,4012,4027,4029	LTC124EUB
	Q	4013-4024,4037,4039	LSAR523UB
	Q	4025,4034,4035	2SC4154-11
	Q	4026,4028,4030,4032	2SA1577
	Q	4031,4033	LTC124EUB
	Q	4041,4043-4045,4047	LSAR523UB
	D	4001-4022	DA2J101
	D	4023-4025,4027,4030	SLI-343M8G
	D	4026,4031,4033,4035	SLI-343YYW
	D	4028,4032,4037-4039	SLR343BD2T
	D	4029,4034,4043	SLI-343U8R
	D	4036	SLI-343YYW
	D	4040,4041,4045	SLI-343M8G
	D	4042	SLR343WBC7T
	D	4044,4046-4049,4053	SLR343BD2T
		MISCELLANEOUS	
	KN	4001 EARTH TERMINAL	AKF7002
	S	4001-4016,4018,4028 TACT SWITCH	DSG1089
	S	4017,4023-4025 TACT SWITCH	DSG1079
	S	4019-4022,4026,4027 TACT SWITCH	DSG1117
	CN	4001 15P CONNECTOR	VKN1246
	CN	4002 39P CONNECTOR	VKN2097
	CN	4003 17P CONNECTOR	VKN1248
	VA	4001-4007 VARISTORS	EZJZ1V270RM
		RESISTORS	
	VR	4001 ROTARY VR	DCS1104
	VR	4002 SLIDE VR	DCV1033
	R	4017	RS1/4SA0R0J
		Other Resistors	RS1/10SR###J
		CAPACITORS	
	C	4003,4004	CKSRYB392K50
	C	4006,4011,4014,4017	CKSRYB104K16
	C	4008-4010	CKSRYB471K50
	C	4015,4016,4018,4020	CEJQ101M16
	C	4019,4021,4022,4024	CKSRYB104K16
	C	4023	CEJQ101M16
	C	4025,4026	CCSRCH471J50
R		**PNL1 ASSY**	
		SEMICONDUCTORS	
	Q	5501,5503,5505	LTC124EUB
	Q	5502,5504	LSAR523UB
	Q	5506	LSCR523UB
	D	5501,5503	DA2J101
	D	5502,5504	SLI-343U8R
		MISCELLANEOUS	
	S	5501 TACT SWITCH	DSG1089
	S	5502 SLIDE SWITCH	DSH1058
	S	5503 PUSH SW	ASG1102
	CN	5501 17P CONNECTOR	VKN1248
		RESISTORS	
	VR	5501,5502 ROTARY VR	DCS1078
		Other Resistors	RS1/10SR###J
		CAPACITORS	
	C	5501,5502	CKSRYB471K50
	C	5503,5504,5506	CKSRYB104K16
	C	5505	CEAT101M16
	C	5507,5508	CKSRYB105K16
S		**PNL2 ASSY**	
		SEMICONDUCTORS	
	Q	5701,5705	LTC124EUB
	Q	5702	LSAR523UB
	Q	5706	LSCR523UB
	D	5701,5704	DA2J101
	D	5703,5705	SLI-343U8R
		MISCELLANEOUS	
	S	5701-5703 TACT SWITCH	DSG1089
	CN	5701 17P CONNECTOR	VKN1248
		RESISTORS	
	VR	5701,5702 ROTARY VR	DCS1104
		Other Resistors	RS1/10SR###J
		CAPACITORS	
	C	5701,5702	CKSRYB471K50
	C	5703,5708,5710	CKSRYB104K16
	C	5709	CEAT101M16

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Mark	No.	Description	Part No.
	C 5711,5712		CKSRYB105K16

T JOGT1 ASSY

SEMICONDUCTORS

IC	9601	PIC10F206-I/OT
IC	9602	74VHCT126AFT
D	9601	RB520G-30

MISCELLANEOUS

L	9601,9602,9604 INDUCTOR	CTF1786
KN	9601,9602 WRAPPING TERMINAL	CKF1089
CN	9601 15P CONNECTOR	VKN1419
CN	9602 FFC/FPC CONNECTOR	CKS6634
CN	9604 CONNECTOR	AKM1275
VA	9601,9604 SMD VARISTOR	EZJZ1V80010
VA	9605 VARISTORS	EZJZ1V270RM

RESISTORS

R	9601,9613	DCN1187
R	9602	RS1/10SR221J
R	9604,9623,9624,9651	RS1/10SR0R0J
R	9609	RS1/10SR2202D
	Other Resistors	RS1/16SS###J

CAPACITORS

C	9602	CCSRCH221J50
C	9603,9605,9607	CKSSYB104K10
C	9604	DCH1201
C	9606	CEHVW101M6R3

U JOGT2 ASSY

SEMICONDUCTORS

IC	9801	PIC10F206-I/OT
IC	9802	74VHCT126AFT
D	9801	RB520G-30

MISCELLANEOUS

L	9801,9802,9804 INDUCTOR	CTF1786
KN	9801,9802 WRAPPING TERMINAL	CKF1089
CN	9801 15P CONNECTOR	VKN1419
CN	9802 FFC/FPC CONNECTOR	CKS6634
CN	9804 CONNECTOR	AKM1275
VA	9801,9804 SMD VARISTOR	EZJZ1V80010
VA	9805 VARISTORS	EZJZ1V270RM

RESISTORS

R	9801,9813	DCN1187
R	9802	RS1/10SR221J
R	9804,9823,9824,9851	RS1/10SR0R0J
R	9809	RS1/10SR2202D
	Other Resistors	RS1/16SS###J

CAPACITORS

C	9802	CCSRCH221J50
C	9803,9805,9807	CKSSYB104K10
C	9804	DCH1201
C	9806	CEHVW101M6R3

V JOGR1 ASSY

MISCELLANEOUS

JP	9001 CONNECTOR ASS'Y	PF04PG-Q07
PC	9001 PHOTO INTERRUPTER	KE-2K18-15

Mark	No.	Description	Part No.

RESISTORS

	All Resistors	RS1/10SR###J

CAPACITORS

C	9001	CKSRYB105K10
C	9002,9003	CKSRYB103K50

W JLED1 ASSY

SEMICONDUCTORS

IC	9201-9205	74VHC595FT
D	9201-9236	NHSW157B-A13072
D	9237-9244	FM-3528BK-470M

MISCELLANEOUS

CN	9201 FFC/FPC CONNECTOR	CKS6634

RESISTORS

R	9250	RS1/8SQ0R0J
	Other Resistors	RS1/16SS###J

CAPACITORS

C	9201-9205	CKSRYB104K16
C	9206	DCH1201
C	9207-9210	CCSSCH221J50
C	9211-9214	CCSSCH102J50

X JLED2 ASSY

SEMICONDUCTORS

IC	9401-9405	74VHC595FT
D	9401-9436	NHSW157B-A13072
D	9437-9444	FM-3528BK-470M

MISCELLANEOUS

CN	9401 FFC/FPC CONNECTOR	CKS6634

RESISTORS

R	9450	RS1/8SQ0R0J
	Other Resistors	RS1/16SS###J

CAPACITORS

C	9401-9405	CKSRYB104K16
C	9406	DCH1201
C	9407-9410	CCSSCH221J50
C	9411-9414	CCSSCH102J50

Y SW POWER SUPPLY

There is no service parts.

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